May 15, 1995

Ms Ashley Kimbell
Wisconsin Department of Natural Resources
Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448

Re: Monitoring Well Abandonment at U.S. Postal Service Maintenance Facility, 300 Packerland Drive, Green Bay, Wisconsin - WDNR LUST ID No. 05-1689 and 05-1624 -- STS Project No. 20499XF

Dear Ms. Kimbell:

In accordance with the Wisconsin Department of Natural Resources (WDNR) recommendations for closure of the above referenced site, in a letter dated April 25, 1995, Monitoring Well MW-1 was abandoned on May 3, 1995, in accordance with NR 141 Wisconsin Administrative Code.

The monitoring well was abandoned by removing the well casing and flush-mounted protector pipe, and filling the boring with 3/8-inch chipped bentonite. A copy of WDNR Form 3300-5B documenting the monitoring well abandonment is enclosed with this letter.

It is our understanding that this case will be recorded as closed by the WDNR upon receipt of the monitoring well abandonment form. Please contact us if you have any questions.

Sincerely,

STS CONSULTANTS LTD.

Patrick J. McCarey
Assistant Project Manager

Paul R. Blindauer
Associate

PJM/djl/wp

STS Consultants Ltd.
Consulting Engineers

1035 Kepler Drive
Green Bay, Wisconsin 54311
414.468.1978/Fax 414.468.3312

Enclosure: WDNR Form 3300-5B

Copy to:

Mr. James Carlet
U.S. Postal Service
Facilities Service Office
6800 West 64th Street, Suite 100
Overland Park, Kansas 66202-4171

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: MW-1
County: BROWN

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W
(If applicable)
___ Gov't Lot ___ Grid Number

Grid Location
___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name: GREEN BAY

Street Address of Well: 300 PACKERLAND DR

City, Village: GREEN BAY

(2) FACILITY NAME

Original Well Owner (If Known): US POST OFFICE

Present Well Owner: US POST OFFICE

Street or Route: Packerland Ave

City, State, Zip Code: GREEN BAY WI

Facility Well No. and/or Name (If Applicable): MW-1

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: CLOSURE

Date of Abandonment: 5-3-95

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date): 12/14/93

☑ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.): 14.00 (From groundsurface)
Casing Diameter (ins.): 2"

Casing Depth (ft.): ___

Was Well Annular Space Grouted? ☑ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet): 7.2

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☑ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☑ No	

If No, Explain: ___

Was Casing Cut Off Below Surface?	☐ Yes	☑ No
Did Sealing Material Rise to Surface?	☑ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☑ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☑ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☑ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
BENTONITE HOLE PLUG	Surface	14.5	1	50# BAG

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work
STS - BILL ZAKOWSKI

Signature of Person Doing Work: Bill Zakowski
Date Signed: 5-3-95
Street or Route: 1035 KAPLAN DR
Telephone Number: (414) 468-1978
City, State, Zip Code: GREEN BAY, WIS 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

BCG 12619

DNR/COUNTY

COPY

WISCONSIN
DEPT. OF NATURAL RESOURCES
George E. Meyer, Secretary
William R. Selbig, District Director

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
Solid & Hazardous Waste Program
1125 N. Military Avenue, PO Box 10448
Green Bay, WI 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

April 25, 1995

Mr. James Carlet
U.S. Postal Service
6800 W. 64th Street, Suite 100
Overland Park, KS 60202-4171

Subject: Close Out Request for LMD LUST ID #05-1689 and 05-1624
U.S. Postal Service Maintenance Facility - Waste Oil Tanks and Gas Tank
300 Packerland Drive, Green Bay

Dear Mr. Carlet:

On December 3, 1993, the Department of Natural Resources provided a notice to you that the degree and extent of petroleum contamination at the above-named site was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished.

On April 19, 1995, the above-named site was reviewed by the Lake Michigan District Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-name site has been remediated in compliance with the requirements of chs. NR 700 to 724, Wis. Adm.Code. Therefore, the Department considers the case "closed," having determined that no further action is necessary at the site at this time. However, the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat a public health, safety or welfare or the environment.

If you have any questions regarding this letter, please do not hesitate to contact me at (414) 492-5942.

Sincerely,

Ashley A. Kimbell

Ashley Kimbell, Program Assistant
Leaking Underground Storage Tank Unit

cc: Pat McCarey, STS Consultants, 1035 Kepler Drive, Green Bay, WI 54311

2 CASES.

CASE # 05-1689 and 05-1624

CASE SUMMARY AND CLOSEOUT

PROJECT MANAGER: Unassigned / Nass

FIRM OR AGENCY: WDNR

DATE: April 17, 1995

NAME OF SITE: U.S. Postal Service

LOCATION: 300 Packerland Dr., GB COUNTY: Brown

PRELIM. REVIEW: MH

REMEDIAL ACTION COMPLETED
CASE CLOSEOUT
DATE: 4-19-95
ROUTE TO:
☑ URBEN
☐ ROSSBERG
☐ STOLL

TYPE OF DISCHARGE: ERP ___ LUST ✓ Other ___

CONTAMINATION TYPE: (list all compounds) waste oil, unleaded gas

CONTAMINATION PRESENT IN: Soil ✓ Groundwater ___ Other ___

I. SOIL:

Extent Defined: Yes ✓ No ___ N/A ___

Number of: Lab Analyses ___ Field Analyses ___ No Data ___

Methodology and/or Detection Devices: FID, DRO, GRO

Total Number of Sample Points: ___

	PRE-REMEDIATION CONCENTRATION				POST-REMEDIATION CONCENTRATION				
Location	Contaminant	Date	Date		Contaminant	Date	Date	Date	Applicable Std
	SEE ATTACHED				SEE ATTACHED				

REMEDIAL ACTION TAKEN

Approx. 2 yds³ of C'N'ed soil removed from around waste oil tanks after they were removed. This was obviously C'N'ed soil. Sample results came back after this soil had already been removed.

JUSTIFICATION FOR CLOSE OUT:

After C'N'ed soil removed, 2 sets of borings performed around gas tank and removed waste oil tanks. All borings showed ND's for GRO + DRO.

Soil Remedial Action Completed: Yes ✓ No ___

This recommendation for case closure is based on all the available data as of this date 4/17/95 and

submitted by Ashley Kimball WDNR

II. GROUNDWATER: Groundwater encountered: Yes _____ No _____ Depth to Groundwater: 8 feet

Groundwater impacted: Yes _____ No ✓ Extent Defined: Yes _____ No _____ N/A ✓

Number of: Lab Analyses _____ Field Analyses _____ No Data _____

Methodology and/or detection devices: VOC's

GROUNDWATER MONITORING:

Excavation water samples: ✓ # Recovery Sumps: _____ Number of Sample Rounds 1
NR 141 Monitoring Wells: ✓ # NR 141 Temporary Wells: _____
Prv. Water Supply Wells: _____ # Municipal Wells: _____

	PRE-REMEDIATION CONCENTRATION				POST-REMEDIATION CONCENTRATION				
Location	Contaminant	Date 10/93	Date	Date	Contaminant	Date	Date	Date	Applicable Std
MW-1	VOC's	ND.							
	[redacted]								

REMEDIAL ACTION TAKEN: None

CLOSURE JUSTIFICATION: One MW installed north of retrofitted gas tank. ND's for VOC's except for one detect of methylene Chloride below PAL. One round taken 10/93.

CASE SUMMARY: In October 1993, one 12,000-gal gas UST retrofitted and 3 waste oil tanks removed. Samples taken immediately from obviously C'N'ed soils - these soils removed and landfilled (approx 2yds^3) Borings then drilled 12/93 - ND's for DRO & GRO. Confirmatory samples taken 2/93 - also ND's for DRO & GRO. One MW installed - ND's for VOC's - only one round taken 10/93.

Groundwater Remedial Action Completed: Yes ____ No ____ (N/A) Has site been remediated to current standards? Yes ✓ No _____

This recommendation for case closure is based on all the available data as of this date 4/17/95 and submitted by

A. Kimbell of WDNR
(Name) (FIRM OR AGENCY)

COMMITTEE RECOMMENDATION: REMEDIAL ACTION COMPLETED: YES ✓ NO ____

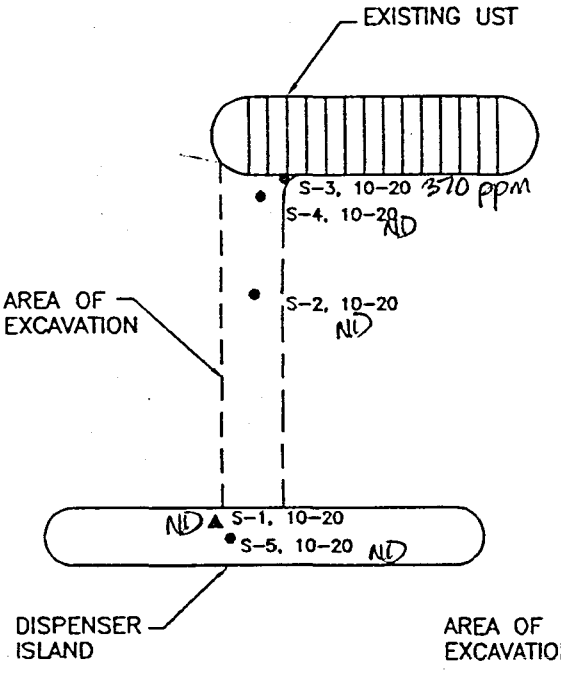
FURTHER WORK NEEDED: _____

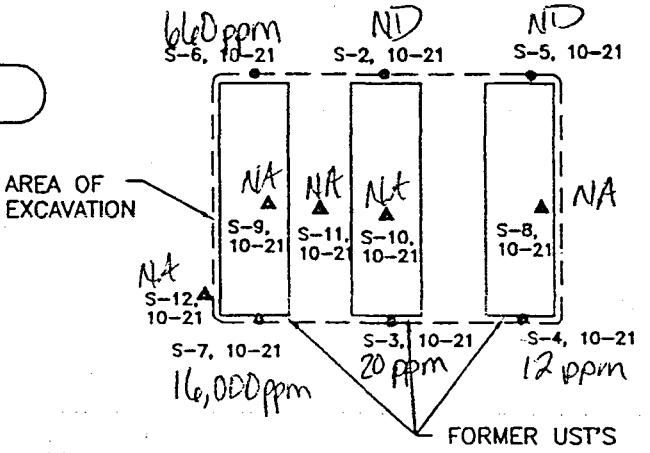
Revised: 11/93 closfrm.hc

Samples taken following tank removal / retrofitting

LEGEND

- ● SOIL SAMPLE LOCATION AND DATE (LAB ANALYZED)
- ▲ SOIL SAMPLE LOCATION/DATE (FOR FID FIELD SCREENING ONLY)





RED = DRO
BLUE = GRO

VEHICLE MAINTENANCE FACILITY

STS Consultants Ltd.
Consulting Engineers

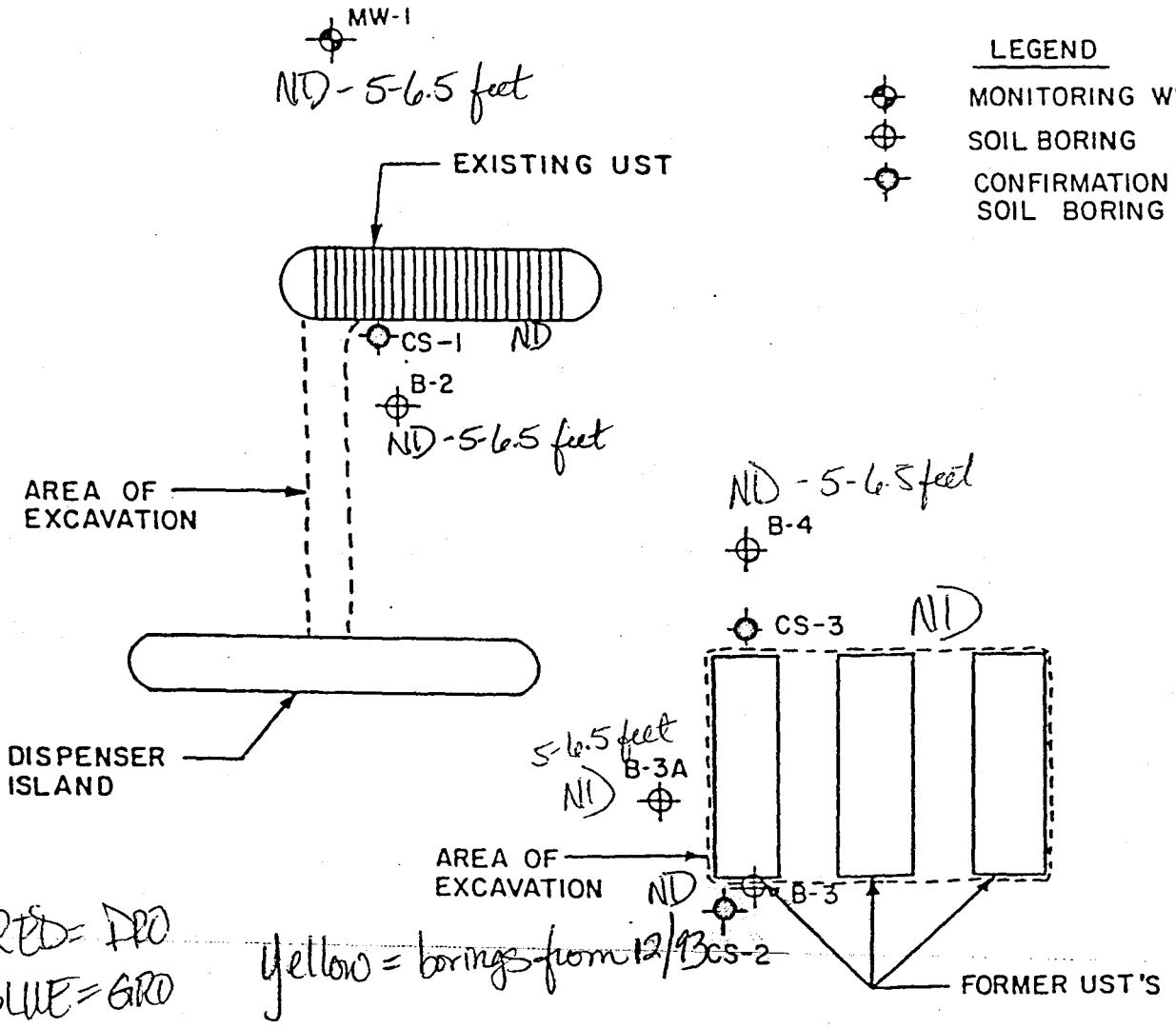
PROJECT/CLIENT

U.S. POSTAL SERVICE
VEHICLE MAINTENANCE FACILITY
300 PACKERLAND DRIVE
GREEN BAY, WISCONSIN
FID & SOIL SAMPLE LOCATION DIAGRAM

DRAWN BY	D.J.M.	6-23-94
CHECKED BY	DJM	6-27-94
APPROVED BY		
SCALE 1" = 10'	FIGURE NO. 2	
STS DRAWING NO.	20499XF	

C:\DJM\20499XF\FIG1.DWG

Borings drilled 12/93 and confirmation samples from 2/95



RED = DRO
BLUE = GRO
Yellow = borings from 12/93

Green = borings from 2/14/95

VEHICLE MAINTENANCE FACILITY

STS Consultants Ltd
Consulting Engineers

PROJECT/CLIENT: U.S. POSTAL SERVICE
VEHICLE MAINTENANCE FACILITY
300 PACKERLAND DRIVE
GREEN BAY, WI.
SOIL BORING AND
MONITORING WELL LOCATION DIAGRAM

DRAWN BY	R.L.S.	
CHECKED BY	[illegible]	2-14-95
APPROVED BY		
SCALE 1" = 10'	FIGURE NO. 1	
STS DRAWING NO.	20499X1	

United States Postal Service

REPORT

Results of Recent Soil Sampling and Reissuance of Closure Request

United States Postal Service
Vehicle Maintenance Facility
300 Packerland Drive
Green Bay, Wisconsin

STS Consultants Ltd.
Consulting Engineers

April 7, 1995

Mr. Matt Hostak
Wisconsin Department of Natural Resources
P.O. Box 10448
Green Bay, Wisconsin 54307-0448

Re: Results of Recent Soil Sampling and Reissuance of Closure Request, United States Postal Service Vehicle Maintenance Facility, 300 Packerland Drive, Green Bay, Wisconsin, WDNR LUST ID# 05-1689 and 05-1624 -- STS Project No. 20499XF

Dear Mr. Hostak:

STS Consultants, Ltd., (STS) on behalf of the United States Postal Service, previously requested site closure of Leaking Underground Storage Tank cases # 05-1689 and # 05-1624 on January 4, 1995. During a follow-up telephone conversation with Mr. Patrick McCarey, you indicated that additional soil sampling and acceptable chemical analysis results would be needed prior to the WDNR granting closure of these cases. The purpose of this letter is to present the results of the confirmation soil sampling and analysis results, and to reissue a request for site closure.

STS recently completed collection of confirmation soil samples in the vicinity of the previously retrofitted gasoline underground storage tank (UST) and three (3) abandoned USTs at the United States Postal Service Vehicle Maintenance Facility, Green Bay, Wisconsin. STS mobilized a truck-mounted drill rig to advance three (3) soil borings at the Vehicle Maintenance Facility. The borings were placed in the approximate locations where previous soil samples were taken during UST retrofitting and decommissioning that had shown elevated laboratory results. Figure 1 shows the approximate location of the confirmation soil borings.

The confirmation borings were advanced using a four-inch diameter solid-stem auger. Confirmation soil samples were collected at either 5.0 or 7.5 feet below ground surface depending on the boring location. Confirmation soil samples were collected using a split-spoon sampling device in substantial accordance with ASTM D 1586, "Procedures for Standard Penetration and Split-Barrel Sampling of Soils." Representative portions of the confirmation soil samples were transferred to new quart-size glass jars. The quart jar samples were used for screening for volatile organic compounds (VOCs). Field screen was accomplished using a portable photoionization detector (PID). The PID is a portable trace gas analyzer that provides a quantative indication of VOCs in the soil.

STS Consultants Ltd.
Consulting Engineers

1035 Kepler Drive
Green Bay, Wisconsin 54311
414.468.1978/Fax 414.468.3312

Soils were preliminarily classified in the field by an environmental technician which accompanied the drill crew, then returned to the STS soils laboratory for further classification. The soils were classified to determine the major and minor soil components, degree of saturation, presence of any conspicuous lenses and seams, and to infer the geologic origin of the material. Soils were classified according to the Unified Soil Classification System (USCS). Soil boring logs were prepared and are enclosed.

No hydrocarbon odors or staining were observed in the samples recovered from these borings. Soil samples recovered from the borings did not reveal PID readings above one unit. Field PID readings for soil samples recovered from the three borings are summarized on the Soil Boring Log. Table 1 shows a summary of PID readings and laboratory analysis of collected confirmation soil samples from the three borings. Select soil samples were submitted for laboratory analysis of gasoline range organics (GRO) or diesel range organics (DRO). Laboratory results indicate no detection of GRO or DRO. Laboratory data sheets are enclosed in the enclosures. Soil borings were abandoned in accordance with NR 141 Wisconsin Administrative Code. Borehole abandonment forms were completed and are also included in the enclosures.

Confirmation soil samples collected from the three borings indicate no field or laboratory detection of impacted soils. STS and the United States Postal Service accordingly, request a clean closured determination from the WDNR for this site. A WDNR Lake Michigan District Case Summary and Close-Out form is enclosed in this report. If you have any questions or comments regarding this letter, please contact us.

Sincerely,

STS CONSULTANTS LTD.

Patrick J. McCarey
Assistant Project Manager

Paul R. Blindauer
Associate

PJM/lmj.wp

Copy to:

Mr. James Carlet
United States Postal Service
Facility Service Office
6800 West 64th Street, Suite 100
Overland Park, Kansas 66202-4171

Enclosures:

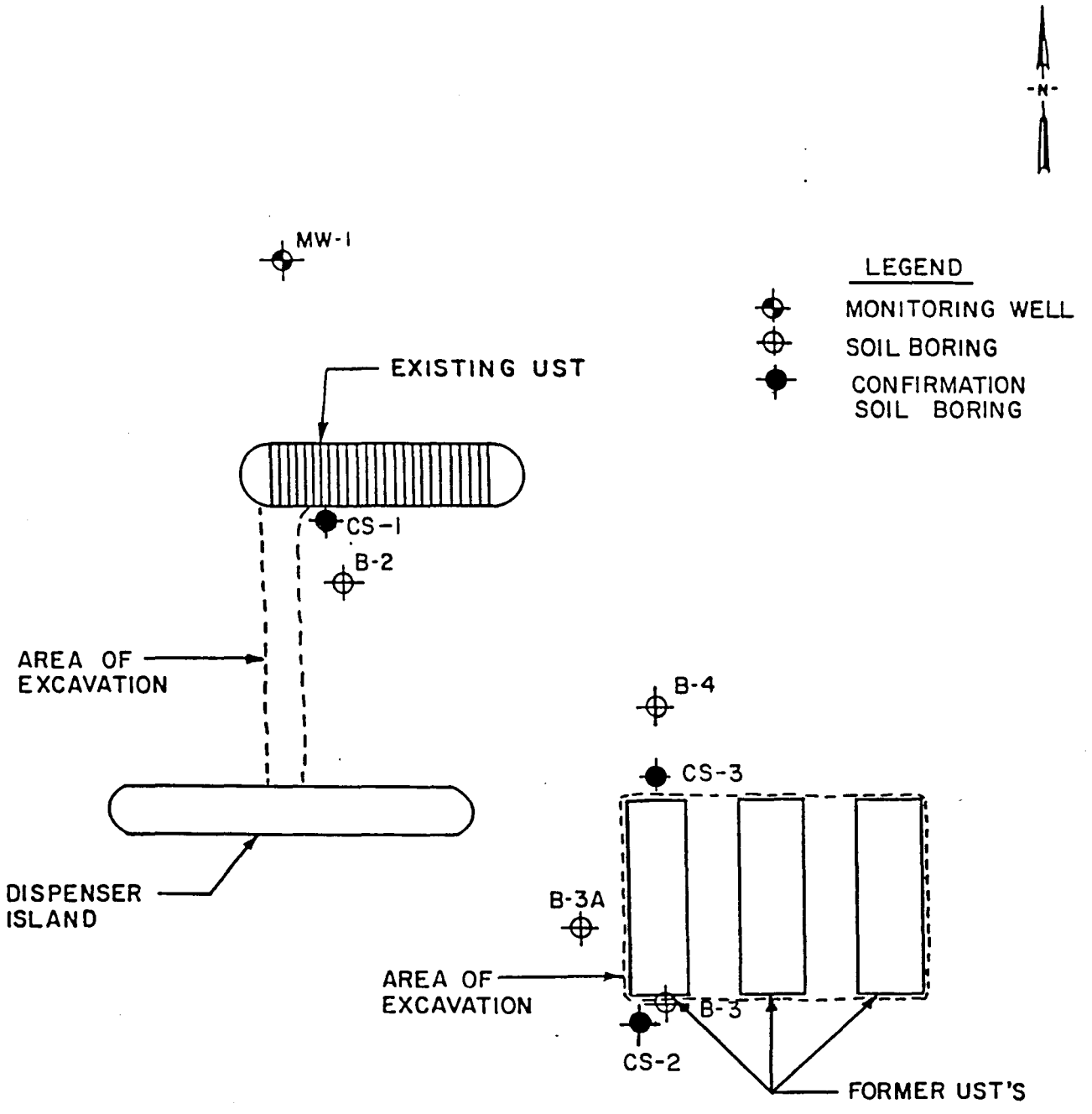
Table 1 - Summary of PID and Laboratory Results
Figure 1 - Soil Boring Location Diagram
Borehole Abandonment Forms 3300-5B (3)
Soil Boring Log Information Forms 4400-122 (3)
Enviroscan Laboratory Reports
Site Closure Request Forms

Table 1
Summary of PID Readings and Laboratory Results
U. S. Postal Service Vehicle Maintenance Facility
300 Packerland Drive, Green Bay, Wisconsin

Sample No.	Depth Collected (Feet)	PID Reading (Units)	DRO (mg/kg)	GRO (mg/kg)
CS-1	5.0' - 6.5'	<1	NA	ND
CS-2	7.5' - 9.0'	<1	ND	NA
CS-3	7.5' - 9.0'	<1	ND	NA

Notes:

NA = Not Analyzed
ND = No Detection



VEHICLE MAINTENANCE FACILITY

STS Consultants Ltd
Consulting Engineers

PROJECT/CLIENT: U.S. POSTAL SERVICE
VEHICLE MAINTENANCE FACILITY
300 PACKERLAND DRIVE
GREEN BAY, WI.
SOIL BORING AND
MONITORING WELL LOCATION DIAGRAM

DRAWN BY	R.L.S.	
CHECKED BY	[illegible]	[illegible]
APPROVED BY		
SCALE 1" = 10'	ENGINEERING NO. 1	
STS DRAWING NO. 20499X1		

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: CS-1

County: BROWN

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name: GREEN BAY

Street Address of Well: 300 PACKERLAND DRIVE

City, Village: GREEN BAY

(2) FACILITY NAME

Original Well Owner (If Known): U.S POSTAL SERVICE

Present Well Owner: U.S. POSTAL SERVICE

Street or Route: 300 PACKERLAND DR

City, State, Zip Code: GREEN BAY, WISC

Facility Well No. and/or Name (If Applicable): CS-1

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: TEST BORING

Date of Abandonment: 2-14-95

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) ___

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☐ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) ___ Casing Diameter (ins.) ___
(From groundsurface)

Casing Depth (ft.) ___

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) DRY

Pump & Piping Removed?	☐ Yes	☐ No	☐ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain ___

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
3/8" HOLE PLUG BENTONITE	Surface	6.5	0.75	

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work
PAT MCCAREY SRS

Signature of Person Doing Work: Pat McCarey
Date Signed: 2-14-95

Street or Route: 1035 KELLER DR
Telephone Number: (414) 468-1978

City, State, Zip Code: GREEN BAY, WI 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected | District/County

Reviewer/Inspector

Follow-up Necessary

BCG 12619

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: CS-2

County: BROWN

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable) ___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name: GREEN BAY

Street Address of Well: 300 PACKERLAND DRIVE

City, Village: GREEN BAY

(2) FACILITY NAME

Original Well Owner (If Known): U.S POSTAL SERVICE

Present Well Owner: U.S. POSTAL SERVICE

Street or Route: 300 PACKERLAND DR

City, State, Zip Code: GREEN BAY, WISC

Facility Well No. and/or Name (If Applicable): CS-2

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: TEST BORING

Date of Abandonment: 2-14-95

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) ___

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☐ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) ___ Casing Diameter (ins.) ___
(From groundsurface)

Casing Depth (ft.) ___

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) DRY

Pump & Piping Removed?	☐ Yes	☐ No	☐ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain ___

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
3/8" HOLE PLUG BENTONITE	Surface	90	0.75	

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work: PAT McCAREY SRS

Signature of Person Doing Work: Pat McCarey
Date Signed: 2-14-95

Street or Route: 1035 KAPLER DR
Telephone Number: (414 468-1528

City, State, Zip Code: GREEN BAY, WI 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected
District/County
Reviewer/Inspector
Follow-up Necessary

BCG 12619

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: CS-3

County: BROWN

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name: GREEN BAY

Street Address of Well: 300 PACKERLAND DRIVE

City, Village: GREEN BAY

(2) FACILITY NAME

Original Well Owner (If Known): U.S POSTAL SERVICE

Present Well Owner: U.S. POSTAL SERVICE

Street or Route: 300 PACKERLAND DR

City, State, Zip Code: GREEN BAY, WISC

Facility Well No. and/or Name (If Applicable): CS-3

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: TEST BORING

Date of Abandonment: 2-14-95

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) ___

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☐ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) ___ Casing Diameter (ins.) ___
(From groundsurface)

Casing Depth (ft.) ___

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) DRY

Pump & Piping Removed?	☐ Yes	☐ No	☐ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain ___

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	☐ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☐ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) GRAVITY

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
3/8" HOLE PLUG BENTONITE	Surface	90	0.75	

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work: PAT MCCAREY SRS

Signature of Person Doing Work: Pat McCarey — Date Signed: 2-14-95

Street or Route: 1035 KAPLAN DR — Telephone Number: (414 468-1528

City, State, Zip Code: GREEN BAY WI 54311

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected | District/County

Reviewer/Inspector

Follow-up Necessary

BCG 12619

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service - Green Bay		CS-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	02/14/95	02/14/95	SSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		CS-1	Feet MSL	Feet MSL	4.0 Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	05	Green Bay

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				4 inches asphalt										
				3/4-inch base course										
			2	Brown silty sand - trace of gravel - moist - dense	SM									
			4											
1		57/1'	6					<1						SS
				End of Boring Boring advanced from 0 to 6.5 feet by solid-stem auger Boring abandoned with 3/8-inch hole plug bentonite WL Dry										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J. McCarey

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service - Green Bay		CS-2

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	02/14/95	02/14/95	SSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		CS-2	Feet MSL	Feet MSL	4.0 Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat o , "
Long o , "

Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	05	Green Bay

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				4 inches asphalt 3/4-inch base course										
1		76/1'	2 4 6 8	Brown silty sand - trace of gravel - moist - dense	SM			<1						SS
				End of Boring Boring advanced from 0 to 9.0 feet by solid-stem auger Boring abandoned with 3/8-inch hole plug bentonite WL Dry										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J. McCarley

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service - Green Bay		CS-3

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	02/14/95	02/14/95	SSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		CS-3	Feet MSL	Feet MSL	4.0 Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat o , "
Long o , "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	05	Green Bay

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				4 inches asphalt										
				3/4-inch base course										
			2											
				Brown silty sand - trace of gravel - moist to wet - dense										
			4											
			6											
1		51/1'	8					<1						SS
				End of Boring Boring advanced from 0 to 9.0 feet by solid-stem auger Boring abandoned with 3/8-inch hole plug bentonite WL Dry										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J McCann

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

ENVIROSCAN

February 24, 1995

MAR 6 1995. ENVIRONMENTAL AND ANALYTICAL SERVICES

STS Consultants Ltd.
1035 Kepler Dr.
Green Bay, WI 54311

Attn: Pat McCarey

Re: 20499XF

Please find enclosed the analytical results for the samples received February 15, 1995.

All analyses were completed in accordance with appropriate EPA and Wisconsin methodologies. Methods and dates of analysis are included in the report tables.

The chain of custody document is enclosed. If you have any questions about the results, please call. Thank you for using Enviroscan Corp. for your analytical needs.

Sincerely,

Enviroscan Corp.

Laurie M. Pietrowski

Laurie M. Pietrowski
Analytical Chemist

ANALYTICAL REPORT

STS Consultants Ltd.
1035 Kepler Dr.
Green Bay, WI 54311

Attn: Pat Mccarey

CUST NUMBER: 20499XF
SAMPLED BY: Client
DATE REC'D: 02/15/95
REPORT DATE: 02/22/95
PREPARED BY: DJB 0713
REVIEWED BY:

Sample ID	Total Solids EPA 160.3	Qualifiers	Analytical No.
CS-1 5-6.5'	95.8		32724
CS-2 7.5-9.0'	85.1		32725
CS-3 7.5-9.0	81.3		32726
Units	%		
Date Analyzed:	02/16/95		

All analyses conducted in accordance with Enviroscan Quality Assurance Program.

ANALYTICAL REPORT

STS Consultants Ltd.
1035 Kepler Dr.
Green Bay, WI 54311

CUST NUMBER: 20499XF
SAMPLED BY: Client
DATE REC'D: 02/15/95
REPORT DATE: 02/24/95
PREPARED BY: LMP
REVIEWED BY:

Attn: Pat Mccarey

Modified Gasoline Range Organics (GRO)
Parameter # 78920

	GRO	Qualifiers	Date Analyzed	Analytical No.
CS-1 5-6.5'	X		02/16/95	32724
Detection Limit	5.2			
Units	mg/kg			

X = Analyzed but not detected.
Results calculated on a dry weight basis.

The replicate spike recovery of this batch of samples was found to be 101% and 104%.

All analyses conducted in accordance with Enviroscan Quality Assurance Program.

ANALYTICAL REPORT

STS Consultants Ltd.
1035 Kepler Dr.
Green Bay, WI 54311

CUST NUMBER: 20499XF
SAMPLED BY: Client
DATE REC'D: 02/15/95
REPORT DATE: 02/22/95
PREPARED BY: DJB 02/
REVIEWED BY:

Attn: Pat McCarey

Modified Diesel Range Organics (DRO)
Parameter # 78919

	DRO	Qualifiers	Date Ext	Date Analyzed	Analytical No.
CS-2 7.5-9.0'	X		02/15/95	02/19/95	32725
CS-3 7.5-9.0	X		02/15/95	02/19/95	32726
Detection Limit	5.0				
Units	mg/kg				

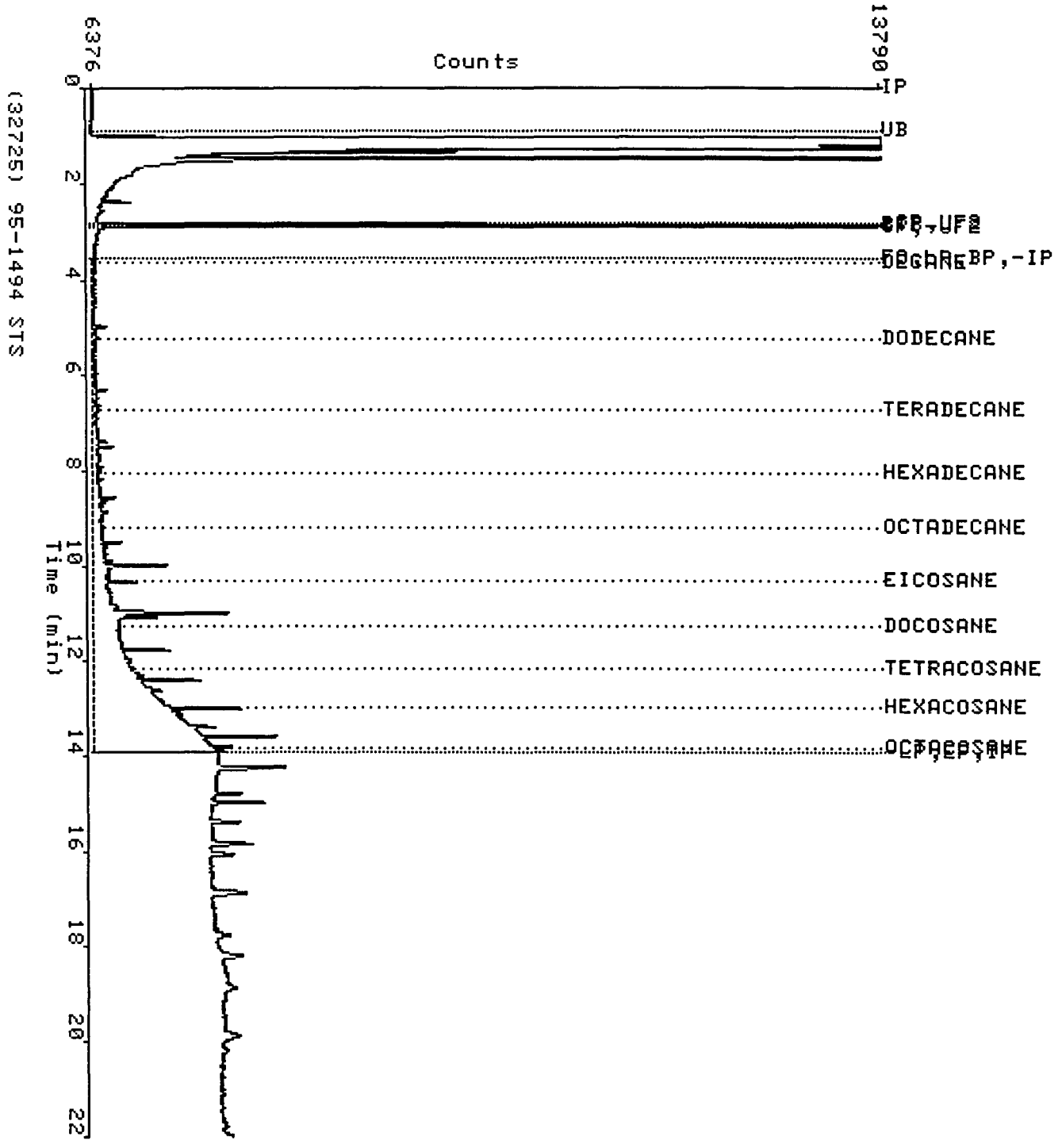
X = Analyzed but not detected.
Results calculated on a dry weight basis.

Qualifiers: Only above indicated qualifiers apply.

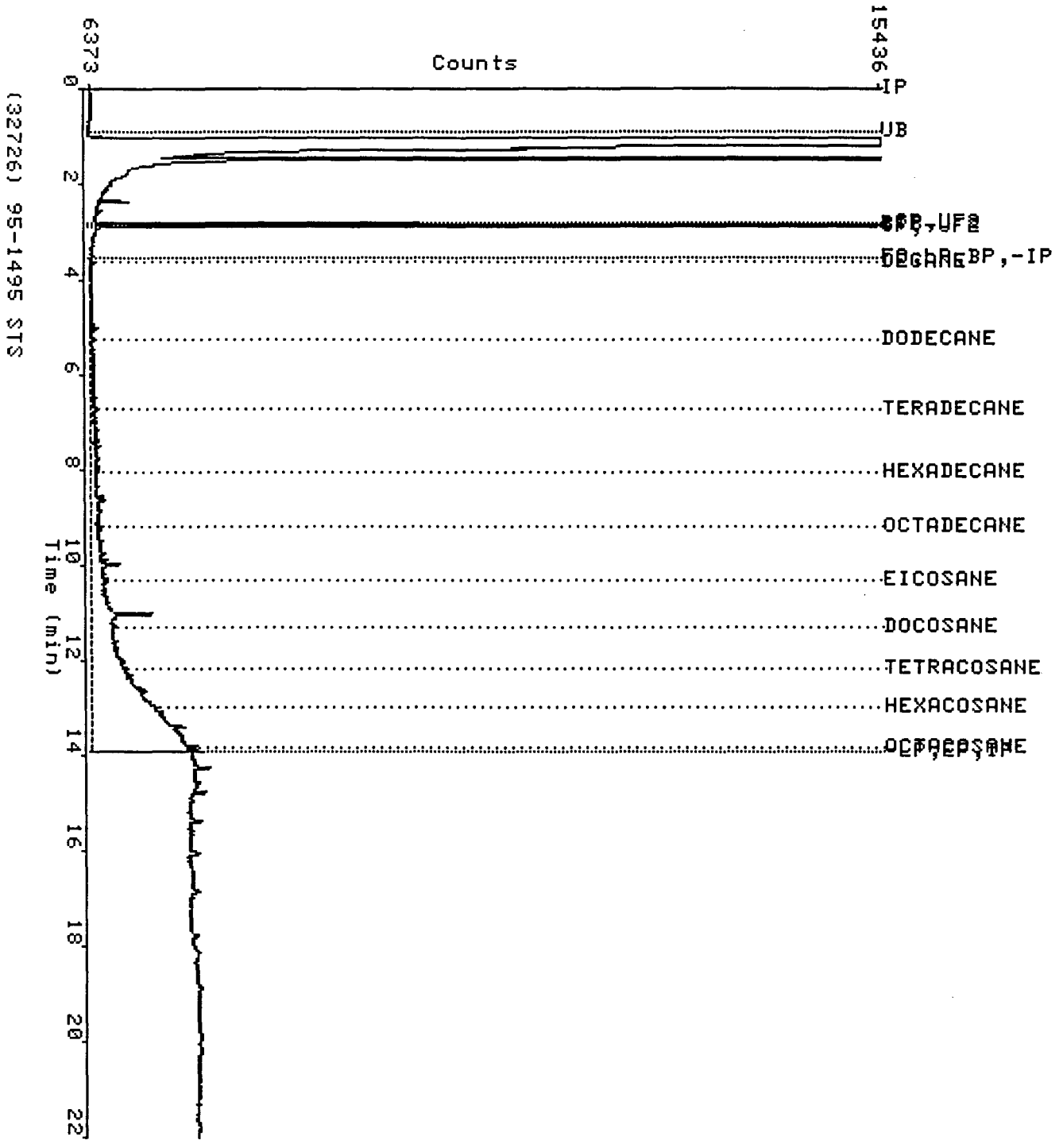
(D1) The chromatogram is distinct for diesel.
(D2) The chromatogram is not distinct for diesel. It has characteristics of a product which has significant peaks within the DRO window.
(D3) The chromatogram is not distinct for diesel or any common petroleum product. All peaks within the DRO window were quantitated.
(D4) The chromatogram also contained significant peaks outside the DRO window.
(D5) The chromatogram also contained significant peaks and a raised baseline outside the DRO window.

The replicate spike recovery of this batch of samples was found to be 108.% and 108.%.

Data file: USER$DISK3:[CHROM.SEMI.GC7]14TPHAO718
Report: 286085
Acquired: 19-FEB-1995 20:58:45
Time range: 0.00-22.00
Vert. scale/offset: 1.0/0



Data file: USER$DISK3:[CHROM.SEMI.GC7]14TPHAO719
Report: 286086
Acquired: 19-FEB-1995 21:31:17
Time range: 0.00-22.00
Vert. scale/offset: 1.0/0



REQUEST FOR SERVICES

303 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN

REPORT TO:
Name: Pat McCarey
Company: STS-GB
Address: 1035 Kepler GB
Phone: ( )
P.O. #
Project # 204994F Quote # 7026-4

BILL TO: (if different from Report To info):
Name:
Company:
Address:
Phone: ( )

21-0112

Sample Type *(Check all that apply)*
- ☐ Groundwater
- ☐ Wastewater
- ☒ Soil/Solid
- ☐ Drinking Water
- ☐ Oil
- ☐ Vapor
- ☐ Other

Turnaround Time
- ☐ Normal
- ☐ Rush (Pre-approved by Lab)

Date Needed
Approved By 3-8-95

ANALYTICAL REQUESTS
(use separate sheet if necessary)

LAB USE ONLY	DATE	TIME	No. of Containers COMP	No. of Containers GRAB	SAMPLE ID	Soil GRO	Soil DRO				REMARKS
17032724	2/14			x3	CS-1 5-6.5'	X					
17032725	2/14			3	CS-2 7.5-9.0'		X				
17032726	2/14			3	CS-3 7.5-9.0'		X				
STS		STSGB									

Del'v: Hand (Comm.)
Ship. Cont. OK? (Y) N N/A
Samples leaking? Y (N) N/A
Seals OK? (Y) N N/A
Rec'd on ice? (Y) N N/A __C

Comments:

CHAIN OF CUSTODY RECORD

SAMPLERS: *(Signature)* Pat McCarey

RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED BY: *(Signature)*
RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED BY: *(Signature)*
RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED FOR LABORATORY BY: *(Signature)* Bill Reader — DATE/TIME 2/15/95 7:15 AM

TERMS AND CONDITIONS

1. ORDERS

Customer may order Analytical Services by completing this form, submitting a written purchase order to Enviroscan Corp. or by placing a telephone order which is subsequently confirmed in writing.

2. SAMPLES

When analyses only are ordered, Customer will be responsible for obtaining representative sample(s), preserving same in an appropriate manner, and forwarding them intact to Enviroscan Corp. Customer has these responsibilities whether using own sample containers or containers provided by Enviroscan Corp. Enviroscan Corp. will exercise reasonable care in handling samples, but in no event shall Enviroscan's liability for loss or destruction of any sample exceed the amount paid for analysis of that particular sample.

3. CHARGES AND PAYMENT

Enviroscan Corp. will perform Analytical Services in return for charges as outlined in our quotation, or as stated on Enviroscan's current price list. Terms of payment are Net/30 days. An additional charge of one and one half percent per month will be added to unpaid accounts.

4. WARRANTY-LIABILITY

Enviroscan Corp. will perform Analytical Services and provide Customer with a written report of results. Notwithstanding anything herein to the contrary, liability in connection with any claim relating to Analytical Services shall be limited to, at Enviroscan's option, repeating the Services at Enviroscan's expense, or the refund of the charges paid for performance of the Services.

Except as expressly stated above, Enviroscan Corp. makes no warranty, expressed or implied, whether of merchantability or fitness for any particular purpose or use or otherwise of the Services. In no event shall Enviroscan Corp. be liable to Customer for any special, indirect, incidental or consequential damages arising out of, or as the result of, the performance of the Services, the use or loss of the use of a report prepared by Enviroscan Corp., or for any charges or expenses of any nature incurred without Enviroscan's written consent, even though Enviroscan Corp. has been negligent.

In no event shall Enviroscan Corp. be responsible to the Customer for incidental, consequential, or special damages of any type or nature.

Except for claims for personal injury, the total liability of Enviroscan Corp., to Customer arising under this order, whether arising by contract, tort, warranty (express or implied), strict liability, delay, inaccuracy in testing results, or otherwise shall not exceed the contract price of this order in the aggregate.

5. FORCE MAJEURE

Enviroscan Corp. shall not be liable for any default or delay in performance if caused, directly or indirectly, by acts of God, war, force or arms, fire, the elements, riot, labor disputes, picketing or other labor controversies, sabotage, civil commotion, accidents, any governmental action, prohibition or regulation, delay in transportation facilities, shortage or breakdown of or inability to obtain or nonarrival of any labor, material or equipment used in the performance of the Services, failure of any party to perform any contract with Enviroscan Corp. relative to the performance of the Services covered hereby, or from any cause whatsoever beyond Enviroscan's control, whether or not such cause be similar or dissimilar to those enumerated.

Enviroscan Corp. shall be compensated for costs incurred when Services cannot be completed for any of the above causes.

6. MISCELLANEOUS

The Analytical Services are contracted for according to the laws of the State of Wisconsin. This document constitutes the full understanding of the parties (Enviroscan Corp. and Customer), and no terms, conditions, understanding or agreement proporting to modify or vary the terms of this document shall be binding unless hereafter made in writing and signed by the party to be bound.

CASE # 05-1689 and 05-1624

CASE SUMMARY AND CLOSEOUT

PROJECT MANAGER: Patrick J. McCarey

FIRM OR AGENCY: STS Consultants, Ltd.

DATE: 4-5-95

PRELIM. REVIEW: _____

REMEDIAL ACTION COMPLETED
CASE CLOSEOUT
DATE: _____
ROUTE TO:
☐ URBEN _____
☐ ROSSBERG _____
☐ STOLL _____

NAME OF SITE: United States Postal Service Vehicle Maintenance Facilty

LOCATION: 300 Packerland Drive, Green Bay COUNTY: Brown

TYPE OF DISCHARGE: ERP ___ LUST X Other _____

CONTAMINATION TYPE: (list all compounds) Gasoline and Diesel

CONTAMINATION PRESENT IN: Soil X Groundwater ___ Other _____

I. SOIL:

Extent Defined: Yes X No _____ N/A _____

Number of: Lab Analyses 26 Field Analyses 24 No Data _____

Methodology and/or Detection Devices: Wisconsin Modified GRO and DRO PID/FID

Total Number of Sample Points: 26

PRE-REMEDIATION / POST-REMEDIATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable Std
GRO	S-3-10-20	370 Mg/Kg	10/20/93	less than 5.2 mg/kg	2-15-95	
DRO	S-6-10-21	660 Mg/Kg	10-21-93	less than 5.0 mg/kg	2-15-95	
DRO	S-7-10-21	16,000 Mg/Kg	10-21-93	less than 5.0 mg/kg	2-15-95	

REMEDIAL ACTION TAKEN:	Impacted soil was excavated, stockpiled and ultimately disposed at Brown County landfill. Confirmation soil sample results were obtained to document existing conditions were below soil clean-up criteria.

CLOSURE JUSTIFICATION:	No detection of GRO or DRO in collected soil samples in approximate area of confirmation samples

Soil Remedial Action Completed: Yes X No _____

This recommendation for case closure is based on all the available data as of this date 4-5-95 and

submitted by Patrick J. McCarey STS Consultants, Ltd.

II. GROUNDWATER: Groundwater encountered: Yes X No _____ Depth to Groundwater: 8 feet

Groundwater impacted: Yes _____ No X Extent Defined: Yes _____ No _____ N/A X

Number of: Lab Analyses 1 Field Analyses _____ No Data _____

Methodology and/or detection devices: Volatile Organic Compounds, Cadmium, Chromium, Lead

GROUNDWATER MONITORING:

Excavation water samples: _____ # Recovery Sumps: _____
NR 141 Monitoring Wells: 1 # NR 141 Temporary Wells: _____
Prv. Water Supply Wells: _____ # Municipal Wells: _____

TOTAL # OF SAMPLE ROUNDS: 1

PRE-REMEDIATION / POST-REMEDIATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable Std.
None	MW-1	None	12/29/93			

REMEDIAL ACTION TAKEN: None

CLOSURE JUSTIFICATION: No detection of VOCs in Groundwater

CASE SUMMARY:

Groundwater Remedial Action Completed: Yes X No _____ N/A Has site been remediated to current standards? Yes X No _____

This recommendation for case closure is based on all the available data as of this date 4-5-95 and submitted by

Patrick J. McCarey (Name) of STS Consultants Ltd. (FIRM OR AGENCY)

COMMITTEE RECOMMENDATION: REMEDIAL ACTION COMPLETED: YES _____ NO _____

FURTHER WORK NEEDED: _____

CASE SUMMARY AND CLOSEOUT - ADDENDUM

PRE-REMEDIATION

POST-REMEDIATION

Contaminant	Location	Concentration	Date	Concentration	Date	Applicable. Std

MISCELLANEOUS	

Revised: 11/93, closefrm.add

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

FILE NOTE

Date of Contact 3/28/95

Site Name U.S. Postal Service-Veh. Mtnc. Facility

LUST Unique ID# 05-1624

Contact Name Pat McCarey **Firm** STS

Contact Phone# 468-1978

STS took more borings to confirm that all C'N'ed soil has been removed in Jan '95. Have results (ND's) and are working on report right now. Once report submitted, review for closure.

Signed A. Kimball

Date 3/28/95

January 4, 1995

Mr. James Carlet
U.S. Postal Service
Facilities Service Office
6800 West 64th Street, Suite 100
Overland Park, Kansas 66202-4171

Re: Disposing of Petroleum Contaminated Soils at the U.S. Postal Service Vehicle Maintenance Facility, 300 Packerland Drive, Green Bay, Wisconsin -- WDNR LUST ID# 05-1689 and 05-1624 -- STS Project No. 20499XF

Dear Mr. Carlet:

In response to a letter dated October 18, 1994, from the Wisconsin Department of Natural Resources (WDNR), STS Consultants, Ltd., (STS) is submitting this letter documenting the disposal of petroleum contaminated soil generated at the U.S. Postal Service Vehicle Maintenance Facility, 300 Packerland Drive, Green Bay, Wisconsin.

Stockpiled impacted soils were generated during retrofitting of a 12,000-gallon underground storage tank (UST) and decommissioning of three waste oil and lubricating oil USTs. Impacted soils were stockpiled on an impervious surface and covered with Visqueen. A composite sample of the stockpile was taken December 15, 1993, and analyzed for GRO, DRO, flashpoint, free liquids, and lead. An Application to Treat or Dispose of Petroleum Contaminated Soil (Form 4400-120) was sent to the WDNR and a Brown County Landfill application was also prepared. Copies of these applications are enclosed. Upon receiving approval from the Brown County East Landfill, STS contacted Phenco, Inc., for removal of the impacted stockpile soils and Phenco transported these to Brown County East Landfill. A copy of the approval letter from Brown County is also enclosed. Approximately two yards of impacted soils were transported to Brown County East Landfill. The Brown County scale ticket is enclosed.

It is our understanding that this case will be recorded as closed by the WDNR upon their receipt of proof of the disposal of impacted soils. Please contact us if you have any questions.

Sincerely,

STS CONSULTANTS LTD.

Patrick J. McCarey
Assistant Project Manager

Paul R. Blindauer
Associate

James A. Senger, CPG
Principal Geologist

PJM/smd

STS Consultants Ltd.
Consulting Engineers

1035 Kepler Drive
Green Bay, Wisconsin 54311
414.468.1978/Fax 414.468.3312

Enclosures: Form 4400-120
Brown County Approval Letter
Brown County Scale Ticket

Copy to: Ms Ashley Kimball
Wisconsin Department of Natural Resources
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448

BROWN COUNTY SOLID WASTE DEPARTMENT
APPLICATION FOR DISPOSAL OF PETROLEUM CONTAMINATED SOILS
BROWN COUNTY LANDFILL

Application Date: 12-2-94

Instructions: For Brown County to determine whether it can dispose of a Petroleum Contaminated Soil at its landfill, it must obtain the information requested in this application. The County reserves the right to request more information if needed to make a determination. Retain a copy of this form for your records and send the original and the approved DNR form 4400-120 to:

Brown County Solid Waste Department
Attention: Dana Schoening
305 E. Walnut Street, Room 315
P. O. Box 23600
Green Bay, WI 54305-3600

Written notification of approval or rejection will be provided.

I. General Information

A. Site Owner U.S. Postal Service, Maintenance Facility

Site Owner Address 300 Packerland Drive
Green Bay, Wisconsin

B. Owner Contact Personnel:

General:

Mr. James Carlet	(913) 831-1855
(Name)	**(Telephone)**
Contracting Officer Design and Construction	
(Title)	

Technical:

STS Consultants, Ltd. - Patrick McCarey	468-1978
(Name)	**(Telephone)**
Project Manager	
(Title)	

C. **Mailing Address: (If Different Than Item A):**

U.S. Postal Service, Facility Service Office

6800 West 64th Street, Suite 100

Overland Park, Kansas 66202-4171

D. **Consultant(s) Name and Address:**

1035 Kepler Drive

Green Bay, WI 54311

E. **Name and address form 4400-120 should be sent to:**

James Carlet, 6800 W. 64th St., Suite 100, Overland Park, Kansas 66202-4171

II. Disposal Information

A. Soil Characteristics and Delivery

1. **Odor**

_____ **None** __x__ **Mild** _____ **Strong**

2. **Hauler That Will Deliver Waste:**

Name Phenco

Address P.O. Box 280

Telephone

3. **Quantity** 2 cubic yards

4. **Approximate Date of Disposal** 12-15-94

B. Analytical Laboratory

Name Hazleton Laboratory

Address 525 Science Drive, Madison, WI

Telephone (608) 232-3300

Wisconsin Lab Cert. No. 113172950

C. Date of Latest Analysis 12/17/93

D. Include the current laboratory analysis results for a representative sample of each 300 cu. yards of the waste that will be delivered for disposal. Have the laboratory manager certify that all analytical data reported were obtained under his/her direction and supervision using sample preparation and analytical methods and analytical equipment specified or approved in the most "Test Methods for the Evaluation of Solid Waste Physical/Chemical Methods," SW-846, USEPA Office of Solid Waste, and that the laboratory follows a quality assurance/quality control program.

III. Fee and Signature

A. Project Billing Information

How will bill be paid? Cash _____

Account _____

If by account, provide account name and number:

_____

_____

If you wish to set up an account, contact the Brown County Solid Waste Department for a credit application form.

B. Application Fee

A check in the amount of $100.00 is submitted along with this form for review of the request for disposal. Make check payable to "Brown County Solid Waste Department". Please note that an additional fee may be required if the nature of your special waste (either quantity or characteristics) is such that an extensive review is required.

C. I hereby certify that all information submitted in this and the attached documents is complete and accurate and that all known or suspected hazards have been disclosed.

_____ _____
(Name) (Title)

_____ _____
(Corporate Authority Signature) (Date)

SOLID WASTE DEPARTMENT

Brown County

305 EAST WALNUT
P.O. BOX 23600
GREEN BAY, WISCONSIN 54305-3600

CHARLES J. LARSCHEID

PHONE (414) 448-4475 FAX (414) 448-4038

DIRECTOR

Date _____

SOLID WASTE DEPT. CREDIT APPLICATION/AGREEMENT

This application must be completed and returned within five days. No application will be processed without the signature of authorized individuals.

1. Legal Name for Billing _____
Phone Number

_____
Name

_____
Street

_____
City State Zip

2. Number of Years in This Business:_____

3. Ownership:____Proprietorship
____Partnership
____Corporation

Company's Legal Name
_____
_____

4. Owner's Name_____

and Address_____

_____

5. Name and Address of All Partners, if Partnership or Registered Agent, if Corporation.

_____
Name

_____

Address

_____
Name

_____

Address

Hazleton Environmental Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31200884
DATE ENTERED: 12/17/93
REPORT PRINTED: 01/11/94

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

PURCHASE ORDER NUMBER: 20499XF

BTEX ANALYSIS IN SOILS

COMPOUND NAME	DILUTION FACTOR	DETECTION LIMIT	CONC UG/KG
BENZENE	1	1.1	< 1.1
TOLUENE	1	1.1	< 1.1
ETHYLBENZENE	1	1.1	< 1.1
m AND p-XYLENE	1	2.1	< 2.1
o-XYLENE	1	1.1	10

FLUOROBENZENE (SURROGATE) 47 % RECOVERED

DATE ANALYZED 12/27/93
DATE RECEIVED 12/17/93

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION 470 MG/KG	DETECTION LIMIT 50 MG/KG
CONTROL SPIKE	91 % RECOVERY	
DUPLICATE CONTROL SPIKE	96 % RECOVERY	
DILUTION FACTOR	5	
DATE RECEIVED	12/17/93	
DATE PRESERVED	12/17/93	
DATE EXTRACTED	12/17/93	
DATE ANALYZED	12/24/93	
DRO STANDARD SOURCE	MACRO SCIENTIFIC- WI DRO LOT NO. MK 1532	

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION		DETECTION LIMIT	
DRY WEIGHT	23	MG/KG	10	MG/KG

CONTROL SPIKE	87	% RECOVERY
DUPLICATE CONTROL SPIKE	94	% RECOVERY

DILUTION FACTOR	1
DATE RECEIVED	12/17/93
DATE ANALYZED	12/23/93
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522

REACTIVE SULFIDE

PARAMETER	RESULTS	UNITS
REACTIVE SULFIDE	20	MG/KG

REACTIVE CYANIDE

PARAMETER	RESULTS	UNITS
REACTIVE CYANIDE	< 1	MG/KG

IGNITABILITY, PENSKY-MARTENS CLOSED

FLASHPOINT

>140 DEGREE F

LEAD IN SOILS-LUST

COMPOUND NAME	DILUTION FACTOR	DETECTION LIMIT	DRY WEIGHT MG/KG
LEAD	2.5	0.2	5.9

DATE RECEIVED	12/17/93
DATE DIGESTED	12/23/93
DATE ANALYZED	01/07/94

FREE LIQUIDS (PAINT FILTER TEST)

NO FREE LIQUIDS

CADMIUM IN SOIL-LUST

DILUTION FACTOR	DETECTION LIMIT	DRY WEIGHT

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

CADMIUM IN SOIL-LUST (CONTINUED)

COMPOUND NAME		MG/KG	MG/KG
CADMIUM	1	0.2	< 0.22

DATE RECEIVED	12/17/93
DATE DIGESTED	12/22/93
DATE ANALYZED	01/07/94

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

EDIT MNEMONIC-INORGANICS

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED John C Walton
JOHN C. WALTON
SUPERVISOR, INORGANICS

METHOD REFERENCES

BTEX ANALYSIS IN SOILS
EPA SW-846 METHOD 8021: "VOLATILE ORGANIC COMPOUNDS IN WATER BY PURGE AND TRAP CAPILLARY COLUMN GAS CHROMATOGRAPHY WITH PHOTINIZATION AND ELECTROLYTIC CONDUCTIVITY DETECTORS IN SERIES."
REV 0, DECEMBER 1987
U.S. EPA METHOD 602 (FEDERAL REGISTER, VOLUME 49, NO. 209, PG. 43261-43271, OCTOBER 26, 1984).
TEST METHODS FOR EVALUATING SOLID WASTE, EPA PUBLICATION NO. SW-846, SECOND EDITION, METHODS, 8020, 5030, U.S. EPA, WASHINGTON, DC(REVISED APRIL, 1984).

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

METHOD REFERENCES (CONTINUED)

REACTIVE SULFIDE
SW846 7.3.4.2: IEA LABORATORIES, SCHAUMBERG, IL

REACTIVE CYANIDE
SW846 7.3.3.2: IEA LABORATORIES, SCHAUMBERG, IL

IGNITABILITY, PENSKY-MARTENS CLOSED
TEST METHODS FOR EVALUATING SOLID WASTE. USEPA, SW-846, THIRD EDITION, NOVEMBER 1990.

LEAD IN SOILS-LUST
TEST METHODS FOR EVALUATING SOLID WASTE, EPA PUBLICATION NO. SW-846, SECOND EDITION, METHODS(3030,3040 OR 3050) AND 7421, U.S. EPA, WASHINGTON, DC (REVISED APRIL 1984)

FREE LIQUIDS (PAINT FILTER TEST)
EPA SW-846 METHOD 9095 PAINT FILTER LIQUIDS TEST, REV 0, SEPTEMBER 1986

CADMIUM IN SOIL-LUST
CONTRACT LABORATORY PROGRAMS S.O.W. MARCH 1990, METHOD 213.2 CLP-M EPA, WASHINGTON, D.C. (MARCH 1990).

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

EDIT MNEMONIC-INORGANICS
SIGNATURE BLOCK FOR INORGANIC ANALYSIS

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed of in compliance with NR 500-540, NR 158 and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules may lead to violations of subchapters III and IV of ch. 144, Wis. Stats. and may result forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426(1), 144.74 (1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74 (2), Wis. Stats. Each day of a continuing violation constitutes a separate violation. Department approval of this form is required prior to s. remediation, except for soils to be buried in landfills.

DIRECTIONS: 1) Complete part I. 2) Select the treatment option in part II. Pretreatment approval is required for any treatment other than landfill burial. Submit this form to the DNR project manager for approval. 3) If your treatment option is landfill burial, complete part III before submitting the ORIGINAL form to the project manager. 4) If soil will be used as cover at a landfill, first submit this form for approval and then, after part III has been completed, resubmit the ORIGINAL to the project manager. 4912

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: U.S. Postal Service Facility

Site I.D. # (for DNR use only):

Site Address: 300 Packerland Drive

Contact Name: JAMES CARLET

City, State, Zip Code: Green Bay, WI 54303

1/4, 1/4, Section, Township, and Range:

The information on this form is accurate to the best of my knowledge.
NOTE: Soil generators responsible for waste disposed of in landfills may incur future liability.

Signature of Soil Generator: James Carlet

Telephone Number (include area code):

Consulting Firm	Contact	Telephone Number
STS Consultants, Ltd.	Patrick J. McCarey	(414) 468-1978

Estimated Volume Contaminated Soil: ..Tons/cubic yards (circle one)

Type of Petroleum Contamination (Circle):

Gasoline (Diesel Fuel) #2 Fuel Oil

Other _____

Soil Type (USCS)

___sand (SP, SW)
_x_silty/clayey sands (SM, SC)
___silt (ML, MH, OL)
___clay (CL, CH, OH)
___gravel (GC, GM, GP, GW)
___peat (PT)

Distance to Nearest Residence/Business _____

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument *registers contamination* OR one laboratory analysis for each 100 yds³ when the field instrument *does not register contamination* on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum of 3 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 0 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 2.63 lbs

Total TPH as DRO

ATTACH EMISSIONS CALCULATIONS

(a/1,000,000) x (2,800 lbs/yd^3) x b = benzene emission in lbs., where a = benzene concentration of soil sample in ppm or mg/kg dry weight basis, and b = amount of contammated soil in yds^3. NOTE: This calculation can also be used to estimate TPH emissions by substituting TPH concentration (ppm or mg/kg) for "a". It may also be used to calculate VOCs.

COMPLETE ONLY THOSE SECTIONS OF PART II THAT PERTAIN TO YOUR SITE

Part II: Proposed method of treatment

1. SOIL VENTING/VACUUM EXTRACTION

Note: This option may require an air pollution control permit. An activated carbon unit or similar treatment system to strip VOCs from the blower discharge will be required if emissions exceed limits established by Air Management. System design and monitoring information must be included.

Contact responsible for system maintenance....

Telephone Number (include area code) ..... Anticipated start date.....

Total VOC discharge rate from Pilot testing or calculations _____ lbs/hr at _____ scfm

Benzene Discharge Rate from Pilot testing or calculations _____ lbs/hr at _____ scfm _____ Estimated Project Total

2. ANY METHOD OF REMEDIATION NOT LISTED IN PART II (NOTE: For thermal treatment, use Form 4400-149.)

Attach narrative and drawing(s) to describe the remediation method to be used. A final report is required. At a minimum, the information submitted should include the following applicable items:

a. proposed treatment method
b. location/size of remediation site
c. distance to nearest residence/business
d. field sampling methods
e. protective covering and curbing techniques
f. volume estimate and soil thickness needing remediation
g. method of turning/mixing soil
h. highest estimated hourly/daily VOC emissions
i. highest estimated daily/total benzene emissions
k. anticipated startup and completion dates
l. proposed verification method of contaminant content
m. project contact person
n. final destination of soil

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence:

Air Management _____ Date _____

Project Manager _____ Date _____

Comments:

3. DISPOSAL OF CONTAMINATED SOILS AT A SANITARY LANDFILL-NR 500

NOTE: Contaminant concentrations must meet Solid Waste guidelines and analytical results must be submitted within 30 days of disposal

PLEASE COMPLETE PART III BELOW AFTER LANDFILL BURIAL IS COMPLETED.

THIS SECTION IS TO BE COMPLETED BY THE DISPOSAL FACILITY ACCEPTING THE CONTAMINATED SOIL

Part III

Transporter Name

Transporter License Number

Name of landfill

License No.

Actual Volume of soil landfilled _____ Indicate yds^3 or tons

___ cover soil ___ buried

Date received at landfill

Accumulated Benzene emissions to date _____

Signature of landfill facility representative _____

SOLID WASTE DEPARTMENT

Brown County

2561 SOUTH BROADWAY
GREEN BAY, WISCONSIN 54304

PHONE (414) 492-4950 FAX (414) 492-4957

CHARLES J. LARSCHEID
DIRECTOR

BROWN COUNTY LANDFILL DISPOSAL APPROVAL

PROJECT: U.S. Postal Service

ADDRESS: 300 Packerland Drive
Green Bay, WI 54303

OWNER/CONTACT NAME: Mr. James Carlet

WASTE: Petroleum Contaminated Soil

AMOUNT: 2 Cubic Yards

LANDFILL: Brown County East

Under this approval the owner may dispose the noted waste in the designated Brown County landfill. This approval covers only the project and waste amount described in this approval letter.

Dana L. Schoening

Dana L. Schoening

December 16, 1994
Date Authorized

cc: Patrick McCarey

DLS:dls
wstaprvl.pri

584627

SCALE TICKET

BROWN COUNTY

SOLID WASTE BOARD

DATE	TIME	ACCOUNT NAME	ACCOUNT N
12/21/94	10:37	CASH	0000

TRUCK NUMBER	111	GROSS WEIGHT	36860	RATE PER TON	35.00
CONTAINER NUMBER	0	EMPTY WEIGHT	31340	AMOUNT OWED	96.75
WASTE CODE	32	NET WEIGHT	5520	AMOUNT PAID	96.75

SITE: 1
ORIGIN: 000

SPECIAL DATA:

U S POSTAL SERVICE (PHENCO)

REMARKS:

OPTIONAL DRIVER'S SIGNATURE

CASH RECEIVED BY

No. E0

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

FILE NOTE

Date of Contact 11/21/94

Site Name U.S. Postal Service – Vehicle Mtnc. Facility

LUST Unique ID# 05-1624

Contact Name Pat McCarey Firm STS

Contact Phone# 468-1978

Have proposals out right now to have C'N'ed soil excavated. Plan on sending to landfill. Pat will contact Dept. by phone when they set up a time for C'N to be removed.

Reviewed for closure, but NOT ready! Need to remove C'N'ed soil.

Signed A. Kimball

Date 11/21/94

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

FILE NOTE

Date of Contact 7/28/94

Site Name U.S. Postal Service - Vehicle Mtn. Bldg.

LUST Unique ID# 05-1624

Contact Name Paul Blindauer Firm STS

Contact Phone# 468-1978

Paul called re: questions I gave a few weeks ago. Contamination had been found in the area of B3. However, when STS ~~[illegible]~~ drilled boring B3, they encountered some concrete. Therefore, they off-set the boring - B3A. B3A was sampled for DRO and ND was found at 7.5-9.5 feet.

Also, other person working on case (Pat McCarey) thought no soil had been removed from site. However, part III of form 4400 was completed 12/15/93. Paul looking into this.

Signed A. Kimball

Date 7/28/94

6-29-94

U.S. Postal Service

Underground Storage Tank Retrofit and Closure Assessment Report

United States Postal Service
Vehicle Maintenance Facility
300 Packerland Drive
Green Bay, Wisconsin

June 29, 1994

Mr. Alan Nass
Wisconsin Department of Natural Resources
1125 North Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448

Re: Underground Storage Tank Retrofit and Closure Assessment Report for the United States Postal Service Vehicle Maintenance Facility, 300 Packerland Drive, Green Bay, Wisconsin -- STS Project No. 20499XF

Dear Mr. Nass:

STS Consultants, Ltd., (STS) is submitting the attached report documenting subsurface conditions encountered while retrofitting a dispensing line and dispenser island associated with a 12,000-gallon fiberglass underground storage tank (UST) at the United States Postal Service Vehicle Maintenance Facility at 300 Packerland Drive, Green Bay, Wisconsin. The tank is used to store unleaded gasoline. Also summarized are conditions encountered while decommissioning three USTs. Two of the USTs contained lubricating oil. The third tank contained waste oil.

Based on conditions observed in the field, apparent petroleum releases were suspected near the dispensing island, the dispensing line, and near the three former USTs. Expanded subsurface exploration was done through the use of soil borings to determine the extent of petroleum impacted soil and groundwater. Soil borings were conducted around both the 12,000-gallon unleaded gasoline UST and around the three former USTs. A monitoring well was installed in one of the borings located north of the 12,000-gallon unleaded gasoline UST. Soil samples recovered from the soil borings indicated no impacted soil around the USTs. A groundwater sample collected from the groundwater monitoring well did not indicate any impacted groundwater. Based on field and laboratory results, soils and groundwater have not been significantly impacted on this site. Accordingly, we are requesting a clean closure determination for this site.

If you have any questions or comments concerning this report, please contact us at (414) 468-1978.

Sincerely,

STS CONSULTANTS LTD.

Patrick J. McCarey
Field Operations Coordinator

Paul R. Blindauer
Associate

James A. Senger, CPG
Principal Geologist

PJM/llk

STS Consultants Ltd.
Consulting Engineers

1035 Kepler Drive
Green Bay, Wisconsin 54311
414.468.1978/Fax 414.468.3312

Copy to:

Mr. James Carlet (2 copies)
U.S. Postal Service
Facility Service Office
6800 West 64th Street
Suite 100
Overland Park, Kansas 66202-4171

Report

PROJECT

UNDERGROUND STORAGE TANK RETROFIT AND CLOSURE ASSESSMENT REPORT UNITED STATES POSTAL SERVICE VEHICLE MAINTENANCE FACILITY GREEN BAY, WISCONSIN

CLIENT

U.S. POSTAL SERVICE
FACILITY SERVICE OFFICE
6800 WEST 64TH STREET
OVERLAND PARK, KANSAS 66202-4171

Project No. 20499XF

Date JUNE 1994

STS Consultants Ltd.
Consulting Engineers
1035 Kepler Drive
Green Bay, Wisconsin 54311
414.468.1978/Fax 414.468.3312

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

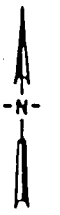
TABLE OF CONTENTS
(continued)

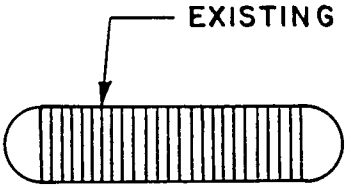
APPENDICES

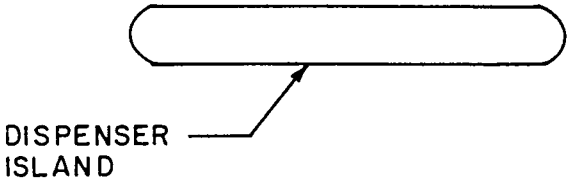
UNDERGROUND STORAGE TANK RETROFIT AND CLOSURE ASSESSMENT REPORT UNITED STATES POSTAL SERVICE VEHICLE MAINTENANCE FACILITY 300 PACKERLAND DRIVE GREEN BAY, WISCONSIN

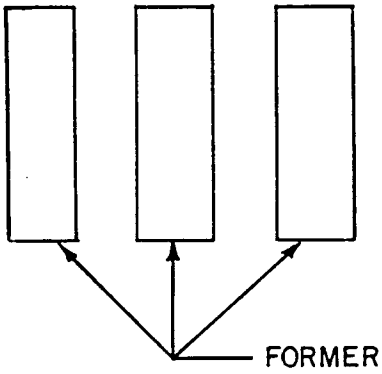
1.0 INTRODUCTION

One 12,000-gallon unleaded gasoline UST owned and operated by the U.S. Postal Service facility, located at 300 Packerland Drive, Green Bay, Wisconsin, was retrofitted to comply with new tank standards by modifying the dispensing line and dispensing island. The 12,000-gallon UST dispensing line and dispensing island were drained, excavated, removed, and upgraded. The general contractor responsible for tank retrofit was Phenco, Inc., (Phenco) Neenah, Wisconsin, DILHR Certification No. 10121. Two former USTs containing lubricating oil and one former UST containing waste oil were decommissioned by excavation and removal. All three USTs had 500-gallon capacities. Phenco was also responsible for purging, inerting, and cleaning the three former USTs prior to removal. Figure 1 shows the location of the USTs. STS was retained by the U.S. Postal Service to perform sampling, analysis and field observations to document subsurface conditions encountered during tank retrofitting and tank decommissioning.









VEHICLE MAINTENANCE FACILITY

STS Consultants Ltd.
Consulting Engineers

PROJECT/CLIENT

U.S. POSTAL SERVICE
VEHICLE MAINTENANCE FACILITY
300 PACKERLAND DRIVE
GREEN BAY, WI.
UST LOCATION DIAGRAM

DRAWN BY	R.L.S.	
CHECKED BY	PJM	6-16-94
APPROVED BY	P.R.B	6-17-94
SCALE 1" = 10'	FIGURE NO. 1	
STS DRAWING NO. 20499XF		

This report summarizes conditions observed by STS personnel and presents results of field and laboratory tests conducted on collected soil and groundwater samples. Also included are a series of photographs documenting site conditions. Based on conditions observed in the field, petroleum releases appeared to have occurred on site at the locations of the 12,000-gallon UST and the three 500-gallon lubricating oil and waste oil tanks. The Wisconsin Department of Natural Resources (WDNR) was notified of both apparent releases.

Petroleum impacted soil was excavated under the dispensing island until there was no field evidence of petroleum hydrocarbons. Soil borings were subsequently conducted to document the extent of petroleum impacted soil and groundwater. No evidence of impacted soil was found in any of the soil borings. A water sample collected from a monitoring well installed adjacent to the UST showed no evidence of volatile organic compounds (VOCs) in groundwater. Based on conditions observed in the field, and analytical results obtained, a release apparently occurred around the 12,000-gallon UST and 500-gallon waste oil and lubricating oil USTs. Gasoline range organic (GRO) and diesel range organic (DRO) concentrations were found in soils around the USTs. These releases do not appear to have migrated beyond the tank cavity and do not represent a significant threat to human health, welfare, or the environment.

2.0 PROCEDURES AND SITE CONDITIONS

2.1 Tank Retrofitting

The 12,000-gallon UST retrofit was initiated on October 19, 1993. Phenco was responsible for the excavation of the dispensing line and dispensing island piping. The UST is of fiberglass construction with a suction-type dispensing system. Prior to STS' arrival, the UST dispensing line and dispensing island piping were drained and removed.

2.2 Soil Documentation for Tank Retrofitting

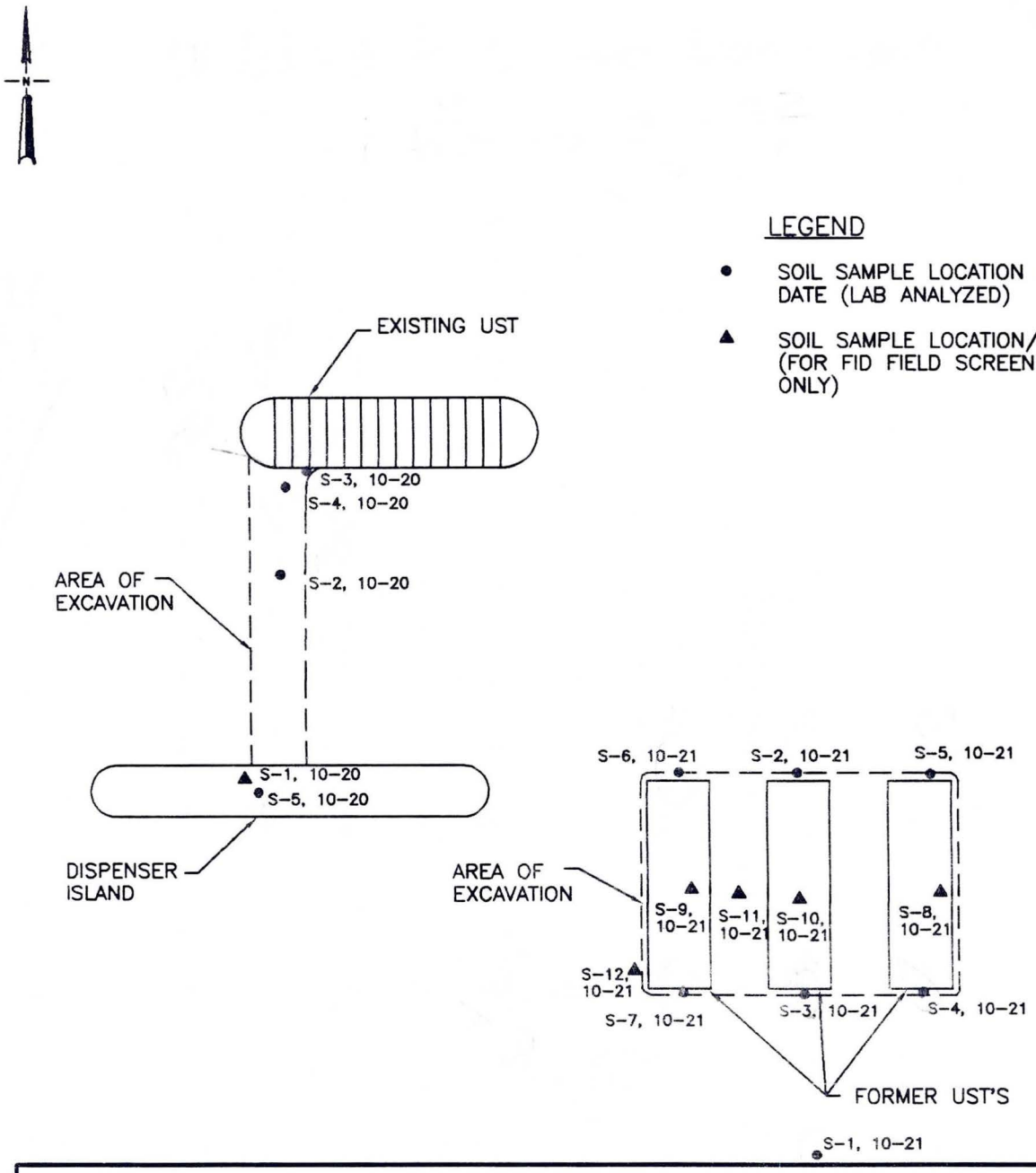
An Environmental Technician from STS, Patrick J. McCarey, Site Assessor No. 04275, was on site to perform sampling, analysis, and field observations to document the subsurface conditions encountered during tank retrofitting. The Environmental Technician collected samples for field screening and laboratory chemical analysis. The soils present around the dispensing line consisted of brown silty sands, Unified Soil Classification System (USCS), SM. Natural soils consisted of brown silty sand USCS (SM). Petroleum impacted soil was excavated underneath the dispensing island until there was no field evidence of petroleum hydrocarbons. However, petroleum impacted soil was still apparent around the backfill soil of the UST which consisted of pea gravel. No groundwater was noted in the dispensing line or dispensing island excavation. The technician was equipped with a Sensidyne flame ionization detector (FID). The FID is a trace gas analyzer capable of qualitatively measuring a variety of organic compounds present in the air. Prior to its use, the FID was calibrated in accordance with manufacturer's recommendations.

Soil samples were collected from the base of the dispensing line, dispensing island, and next to the UST excavations. Figure 2 shows locations of soil samples collected for FID screening and laboratory analysis. Results summarized on Table 1 are representative of soils left in place. The technician used a hand trowel to collect a portion of the soil and placed it into a plastic bag for FID screening. FID screening of collected soil samples was accomplished by shaking the soil sample collected in the bag and inserting the tip of the FID probe through the open end of the bag, a few inches into the headspace above the soil sample. The highest value indicated by the FID during the first few seconds after inserting the probe was recorded as the FID reading for that soil sample. Field screening results are included on the Soil Screening Summary Report provided in Appendix C and are summarized on Table 1.

To confirm field screening, soil samples were also collected for laboratory chemical analysis. Soil samples were collected and submitted under Chain of Custody control to Hazleton Environmental Services, Inc., (HES) analytical laboratories. Samples were analyzed for GRO by the State of Wisconsin modified GRO method. The laboratory data sheets are provided in Appendix B and the results are summarized in Table 1. Soil samples collected for chemical analysis are representative of soils left in place.

2.3 Tank Decommissioning

Excavation and removal of the three USTs was initiated on October 21, 1993. On October 21, 1993, the USTs were steam cleaned and purged. Phenco was responsible for excavation, tank purging, cleaning, transportation, and disposal. Phenco has filed appropriate Underground Petroleum Product Tank Inventory Forms with the Wisconsin Department of Industry, Labor and Human Relations (DILHR). Copies of the Tank Inventory Forms and Checklist for Underground Tank Closure are provided in Appendix A.



VEHICLE MAINTENANCE FACILITY

STS Consultants Ltd.
Consulting Engineers

PROJECT/CLIENT

U.S. POSTAL SERVICE
VEHICLE MAINTENANCE FACILITY
300 PACKERLAND DRIVE
GREEN BAY, WISCONSIN
FID & SOIL SAMPLE LOCATION DIAGRAM

DRAWN BY	D.J.M.	6-23-94
CHECKED BY	DJM	6-27-94
APPROVED BY		
SCALE 1" = 10'	FIGURE NO. 2	
STS DRAWING NO.	20499XF	

C:\DJM\20499XF\FIG1.DWG

Table 1
Summary of FID/ PID Readings
DRO and GRO Results

Sample No.	Depth Collected (Feet)	Observations	FID/PID Reading	DRO (mg/kg)	GRO (mg/kg)	BTEX (ug/kg)	Lead (mg/kg)	Cadmium (mg/kg)	Cyanide (mg/kg)	Sulfide (mg/kg)	Point (F)	Free Liquids
Tank Retrofit Samples												
S-1-10-20	2.5 Below Line	Petro Odor	18(F)	X	X	X	X	X	X	X	X	X
S-2-10-20	2.5 Below Line	No Odor	<1(F)	X	ND	X	X	X	X	X	X	X
S-3-10-20	2.5 Below Line (Next to Tank)	Petro Odor	1000(F)	X	370	X	X	X	X	X	X	X
S-4-10-20	3.5 Below Line	No Odor	8(F)	X	ND	X	X	X	X	X	X	X
S-5-10-20	3.5 Below Line (Retest of S-1-10-20)	No Odor	2(F)	X	ND	X	X	X	X	X	X	X
Tank Decommission Samples												
S-1-10-21	2.5 Below Product Line	No Odor	<1(F)	12	X	X	X	X	X	X	X	X
S-2-10-21	7.5 Below Tank	No Odor	<1(F)	ND	X	X	X	X	X	X	X	X
S-3-10-21	7.5 Below Tank	No Odor	<1(F)	20	X	X	X	X	X	X	X	X
S-4-10-21	7.5 Below Tank	No Odor	<1(F)	12	X	X	X	X	X	X	X	X
S-5-10-21	7.5 Below Tank	No Odor	<1(F)	ND	X	X	X	X	X	X	X	X
S-6-10-21	7.5 Below Tank	Sl Oil Odor	<1(F)	660	X	X	X	X	X	X	X	X
S-7-10-21	7.5 Below Tank	Oil Odor	10(F)	16000	X	X	X	X	X	X	X	X
S-8,10-21	1 Below Oil Removal Port	No Odor	0.4(F)	X	X	X	X	X	X	X	X	X
S-9,10-21	3 Below Check Valve	Oil Odor	95(F)	X	X	X	X	X	X	X	X	X
S-10,10-21	3 Below	No Odor	4(F)	X	X	X	X	X	X	X	X	X
S-11,10-21	5 Between Tanks	No Odor	<1(F)	X	X	X	X	X	X	X	X	X
S-12,10-21	3 SW Corner	No Odor	8(F)	X	X	X	X	X	X	X	X	X

Sample No.	Check Valve Collected (feet)	Observations	FID/PID Readings	DRO (mg/kg)	GRO (mg/kg)	BTEX (ug/kg)	Lead (mg/kg)	Cadmium (mg/kg)	Cyanide (mg/kg)	Sulfide (mg/kg)	Point (F)	Free Liquids
Soil Boring Samples												
Boring MW-1	S-1 0.5-2.0	No Odor	<1(P)	X	X	X	X	X	X	X	X	X
	S-2 2.5-4.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-3 5.0-6.5	"	<1(P)	X	ND	X	X	X	X	X	X	X
	S-4 7.5-9.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-5 10.0-11.5	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-6 12.5-14.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-7 15.0-16.5	"	<1(P)	X	X	X	X	X	X	X	X	X
Boring B-2	S-1 0.5-2.0	No Odor	<1(P)	X	X	X	X	X	X	X	X	X
	S-2 2.5-4.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-3 5.0-6.5	"	<1(P)	X	ND	X	X	X	X	X	X	X
	S-4 7.5-9.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-5 10.0-11.5	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-6 12.5-14.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-7 15.0-16.5	"	<1(P)	X	X	X	X	X	X	X	X	X
Boring B-3	S-1 0.7-2.2	No Odor	<1(P)	X	X	X	X	X	X	X	X	X
	S-2 2.5-4.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-3 5.0-6.5	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-4 7.5-9.0	"	<1(P)	X	X	X	X	X	X	X	X	X
Boring B-3A	S-1 0.5-2.0	No Odor	<1(P)	X	X	X	X	X	X	X	X	X
	S-2 2.5-4.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-3 5.0-6.5	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-4 7.5-9.0	"	<1(P)	ND	X	X	X	X	X	X	X	X
	S-5 10.0-11.5	"	<1(P)	X	X	X	X	X	X	X	X	X
Boring B-4	S-1 0.5-2.0	No Odor	<1(P)	X	X	X	X	X	X	X	X	X
	S-2 2.5-4.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-3 5.0-6.5	"	<1(P)	ND	X	X	X	X	X	X	X	X
	S-4 7.5-9.0	"	<1(P)	X	X	X	X	X	X	X	X	X
	S-5 10.0-11.5	"	<1(P)	X	X	X	X	X	X	X	X	X
Stockpile		Petro Odor	X	470	23	10*	5.9	ND	ND	20	>140	None

Notes: X = Not Tested
ND = Not Detected
* = See Laboratory Sheets for BTEX Detected

The decommissioned tank was taken to the Winnebago County Landfill. A copy of the disposal receipt is provided in Appendix D.

Approximately 90 gallons of sludge were removed from the site by Phenco. Two 55-gallon drums of sludge were taken from the tanks and transported to Waste Research and Reclamation in Eau Claire, Wisconsin. A copy of the waste manifest is provided in Appendix D.

An Environmental Technician from STS, Mr. Mark Magee, Site Assessor No. 01086, was on site during excavation activities. The Environmental Technician monitored the condition of soil removed from the UST excavations and collected soil samples for laboratory chemical analysis. The technician reported that the fill from around the tanks consist of pea gravel with natural soils consisting of brown silty sand (SM). Petroleum odors were noted in the excavation. No groundwater was noted in the UST excavation.

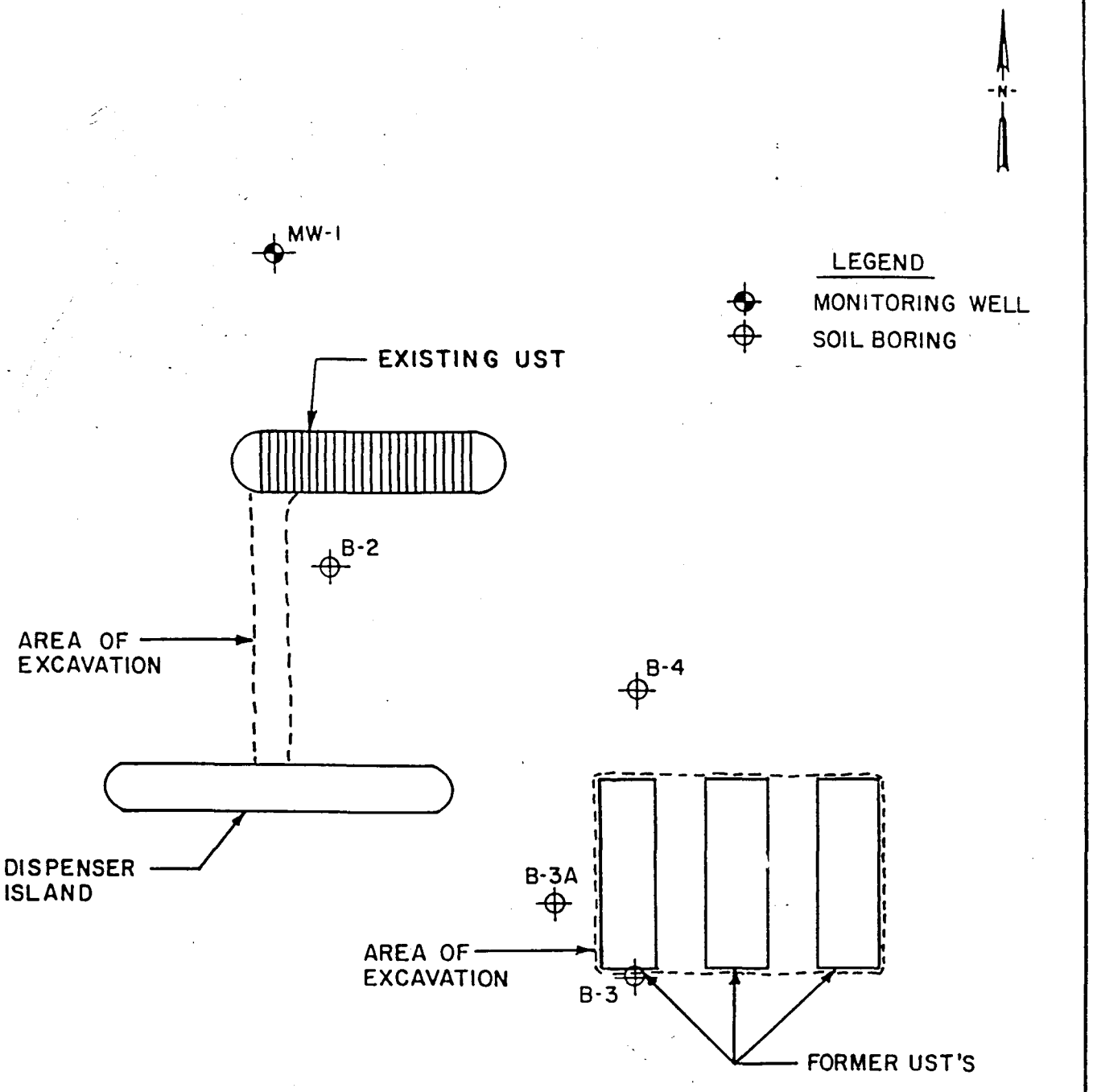
Soil samples were collected from the end of each UST, below check valves of tanks and below product transfer lines using a shovel. The technician was equipped with an FID to screen soil samples for VOCs. Figure 2 shows locations of soil samples collected for FID screening and laboratory analysis. Field screening results are included on the Soil Screening Summary Reports provided in Appendix C and summarized in Table 1. To confirm field screening, soil samples were also collected for laboratory analysis. Soil samples were collected and submitted under Chain of Custody to HES' analytical laboratory. Samples were analyzed for DRO by State of Wisconsin modified DRO method. The laboratory data sheets are provided in Appendix B and the results are summarized in Table 1.

2.4 Soil Borings

2.4.1 Procedures - STS mobilized a truck-mounted drill rig to advance five soil borings around the gasoline UST and three waste and lubricating oil USTs. Figure 3 shows the locations of the soil borings. The borings were advanced using 4-inch diameter solid-stem augers or 4 1/4-inch inside diameter (I.D.) hollow-stem augers (HSA). Soil samples were collected at 2.5-foot intervals to a depth of approximately 16 feet below the ground surface or until the apparent water table had been reached.

An HNU Systems, Inc., Model PI-101 photoionization detector (PID) equipped with a 11.7 electron-volt (eV) lamp source was used to screen soil samples. The PID is a portable trace gas analyzer capable of detecting and qualitatively measuring a variety of trace gases in the atmosphere. The PID operates on the principle of photoionization in which gas molecules are subjected to an ultraviolet light source and transformed into charged ion pairs. The charged ions create a current between two electrodes and the current is measured, amplified, and converted to meter readings. The PID consists of a probe that contains sensing and amplifying circuitry and a read-out assembly containing meter controls and a power supply. The PID is capable of accepting probes containing eV lamps of different energy levels. Gases with an ionization potential less than or equal to the energy level of the lamp are detected at varying sensitivities by the PID. The PID was calibrated daily using an isobutylene cylinder as a reference standard, and adjusted to provide a direct reading in parts per million (ppm) by volume.

Quart-size jars were half filled to allow for the development of headspace. The open end of each jar was covered with a sheet of heavy duty aluminum foil and the lids were securely fastened. The jars were allowed to sit for 5 to 10 minutes out of direct sunlight to promote headspace development. Prior to inserting the PID probe tip, sample jars were shaken for several seconds to



STS Consultants Ltd
Consulting Engineers

PROJECT/CLIENT U.S. POSTAL SERVICE
VEHICLE MAINTENANCE FACILITY
300 PACKERLAND DRIVE
GREEN BAY, WI.
SOIL BORING AND
MONITORING WELL LOCATION DIAGRAM

DRAWN BY	R.L.S.	
CHECKED BY	DJM	6-16-14
APPROVED BY		
SCALE 1" = 10'	FIGURE NO 3	
STS DRAWING NO 20499XF		

increase the surface area of the soil particles exposed to the air in the jar. The PID probe tip was then used to puncture the foil seal and obtain a relative reading of contamination in the headspace of the sample container. The highest value observed on the meter during the first few seconds after the probe was inserted into the jar was recorded as the total ionizable VOC reading for the soil sample. The readings were recorded on the field boring logs. The metal lids were returned to the sample container after the readings were taken, and the samples were returned to the STS soils laboratory.

Soil samples were collecting using a split-spoon sampling device in substantial accordance with ASTM D 1586, "Procedures for Standard Penetration and Split-Barrel Sampling of Soils." Soil Boring Logs are included in Appendix E. Soils were classified by an STS Environmental Technician who accompanied the drill crew. Representative portions of soil samples were transferred to 4-ounce glass jars with Teflon septa. The 4-ounce samples were placed in an ice-filled cooler for submission to HES for chemical testing. Soil samples chosen for chemical testing were analyzed for either DRO or GRO. A summary of GRO and DRO results are shown in Table 1.

2.4.2 Monitoring Well - One water table observation well was installed in one of the completed borings (Figure 3). The well was constructed of 2-inch diameter Schedule 40 PVC with a 10-foot length of 0.006-inch factory slotted PVC well screen. The screen was placed such that it intersected the apparent water table at the time of drilling. The annulus around the well screen was backfilled with a uniformly graded silica sand filter pack 2 feet above the screen. The remaining annulus was backfilled with bentonite pellets to a depth 1 foot of the ground surface. A flush-mount protector pipe with locking cap was secured in concrete in the final foot. The

well was later developed by an engineering technician. Monitoring Well Construction Forms (WDNR Form 4400-113A) were completed and are included in Appendix F. Ground surface and top of PVC elevations of the well and borings were determined using a local datum as a reference elevation.

An Environmental Technician collected a groundwater sample for chemical analysis on December 29, 1993. The groundwater sample was collected from the monitoring well and submitted to HES for analysis. The groundwater sample was collected using a disposable bailer with bottom discharge. The sample was placed in an ice-filled cooler and transported to the analytical laboratory under Chain of Custody control. The groundwater sample collected was analyzed for VOC using EPA Method 8021.

As required by Chapter NR 141 of the Wisconsin Administrative Code, completed boreholes were abandoned using chipped bentonite. Borehole Abandonment Forms (WDNR Form 3300-5B) were completed and are included in Appendix F.

3.0 RESULTS

3.1 Soils

3.1.1 Retrofit UST - Soil samples were collected under the dispensing line, under the dispensing island, and next to the UST. Soils next to the UST consisted of pea gravel. Soils backfilled under the dispensing island and dispensing line consisted of brown silty sand (USCS designation SM). Natural soils consisted of a brown silty clay (USCS designation SM). Soil samples collected during retrofit of the UST were field screened with an FID. Representative samples of natural soils collected from the locations shown on Figure 2 were submitted for laboratory analysis. No detectable concentrations of GRO were reported in samples S-2, 10-20; S-4, 10-20; and S-5, 10-20. GRO concentrations of 370 mg/kg were reported in sample S-3, 10-20 next to the UST.

3.1.2 Three UST Decommissioning Soils - Soil samples were collected from each end of the three USTs and one sample was collected from beneath the product transfer line just before entering the building. The soils next to the USTs consist of pea gravel wrapped in a plastic liner. Natural soils consist of a brown silty sand USCS designation SM. Soil samples collected during the closure assessment were field screened with an FID. Representative samples of natural soils collected from locations shown in Figure 2 were submitted for laboratory analysis. No detectable concentrations of DRO were reported in samples S-2, 10-21 and S-5, 10-21. Detectable concentrations of DRO were reported in sample S-1, 10-21 at 12 mg/kg, S-3, 10-21 at 20 mg/kg, S-4, 10-21 at 12 mg/kg, S-6, 10-21 at 660 mg/kg, and S-7 10-21 at 16,000 mg/kg.

3.1.3 Borings - Borings advanced on site penetrated 3 inches of asphalt before penetrating 1.5 feet of base course. Natural soils encountered below the base course consisted of brown fine silty sand and brown silty clay. Boring B-3 encountered sand and gravel fill and pea gravel before encountering a concrete slab at a depth of approximately 8 feet. Boring B-3A was offset

approximately 3 feet to the west of B-3. Boring B-3A encountered brown silty sand with pea gravel fill from 4.5 to 6 feet before encountering natural soils consisting of brown silty sand.

Soil samples recovered from the borings revealed no PID readings above background. No hydrocarbon odors or staining were observed in samples recovered from the borings. Field FID readings for soil samples recovered from the five borings are summarized in Table 1, shown in Figure 3 and are included on the Soil Boring Log Information Forms in Appendix E.

3.1.4 Stockpile - Impacted soils removed from the retrofitting of the 12,000-gallon UST and the decommissioning of the three waste and lubricating oil USTs were stockpiled on an impermeable surface and covered with visqueen. A composite sample of the stockpile was taken and analyzed for GRO, DRO, flashpoint, free liquids, and lead. Laboratory test reports are included in Appendix B and are summarized in Table 1. Approximately 2 cubic yards of stockpiled soil remains at the site and is currently waiting for approval from the Wisconsin Department of Natural Resources and Brown County West Landfill for landfilling.

3.2 Groundwater

The depth to groundwater was measured at approximately 8 feet from the ground surface. A groundwater sample was collected from the monitoring well adjacent to the 12,000-gallon UST on December 29, 1993, and analyzed for VOCs by EPA method 8021. No detectable concentrations of petroleum compounds were reported in the well. Laboratory test reports are included in Appendix B and summarized in Table 2.

TABLE 2
SUMMARY OF GROUNDWATER ANALYSES AND
WATER TABLE ELEVATION

BORING NO.	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZENE (ug/l)	TOTAL XYLENES (ug/l)	NAPHTHALENE (ug/l)	TOTAL VOC's DETECTED (ug/l)	(Cd) CADMIUM (ug/l)	(Cr) CHROMIUM (ug/l)	(Pb) LEAD (ug/l)
MW-1	ND	ND	ND	ND	ND	ND	ND	<0.006	ND
Method Detection Limit (MDL)	1.0	1.0	1.0	2.0	1.0	1.0	1.0	0.006	3.0
Preventive Action Limits (PAL)	0.067	68.6	272	124	8		3.5	120	4
Enforcement Standard (ES)	5.0	343	1360	620	40				

NOTES:
ND: Analyzed but not detected.
ug/l = parts per billion by dry weight

WATER TABLE ELEVATION DATA

MONITORING WELL	GROUND SURFACE ELEVATION (FT)	TOP PVC ELEVATION (FT)	DEPTH TO GROUNDWATER FROM TPVC (FT)	GROUNDWATER ELEVATION (FT)
MW-1	98.27	97.71	8.19	89.55

4.0 CONCLUSIONS AND RECOMMENDATIONS

One 12,000-gallon UST containing unleaded gasoline was retrofitted by modifying the dispensing line and dispenser. A release apparently occurred near the previous dispensing line as it goes into the tank and under the dispensing island. The release impacted shallow subsurface soils. The soils around the dispensing island were likely impacted because of overfilling of the vehicles. Field screening of soil samples collected after excavation and removal indicate no presence of petroleum in the dispensing island excavation. However, soil samples taken adjacent to the UST indicated elevated concentrations of petroleum hydrocarbons.

Three USTs previously containing lubricating oil and waste oil were decommissioned by excavation and removal. The fiberglass tanks were observed to be in good condition. Laboratory analysis of soil samples collected from the UST excavations indicate that a small area of impacted soil was present in the south/southwest end of the backfill excavation. Soil amounting to approximately 2 cubic yards was excavated out of this area and stockpiled. It was noted during the closure assessment that covers on the check valves were only hand tight, indicating the potential cause of the release.

Soil borings conducted after retrofitting the 12,000-gallon UST and decommissioning the three USTs containing lubricating oil and waste oil indicate no presence of impacted soils. A groundwater sample collected from the monitoring well adjacent to the 12,000-gallon UST also showed no indication of impacted groundwater. Based on results of field observations and analytical test results, the areas of petroleum-impacted soil is limited to the area adjacent to the tank. There does not appear to be a significant amount of soil impacted by the release, and groundwater quality is consistent with state standards. Accordingly, we request a clean closure determination for this site.

5.0 GENERAL QUALIFICATIONS

Conditions and conclusions presented in this report are based on site observations and results of field and laboratory tests performed on collected soil samples. The scope of this report is limited to the specific project and sample locations described herein. Our description of the project represents our understanding of the significant aspects related to the subsurface conditions. This information should not be used for purposes other than intended.

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1. ☐ In Use or New
2. ☐ Abandoned With Product
☐ Abandoned No Product (empty) or With Water
4. ☒ Closed - Tank Removed
6. ☐ Closed - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located:

A. IDENTIFICATION: (Please Print)

1. Tank Site Name	Site Address	Site Telephone No.
United States Postal Service	300 Packerland Dr	(414) 498-3921

☒ City ☐ Village ☐ Town of:	State	Zip Code	County
Green Bay	WI	54303	Brown

2. Owner Name (mail sent here unless indicated otherwise in #3 below)	Owner Mailing Address (mail sent here unless indicated otherwise in #3)		
☐ City ☐ Village ☐ Town of:	State	Zip Code	County

3. Alternate Mailing Name If Different Than #2	Alternate Mailing Street Address If Different From #2		
☐ City ☐ Village ☐ Town of:	State	Zip Code	County

4. Tank Age (date installed, if known: or years old)	5. Tank Capacity (gallons)	6. Tank Manufacturer's Name (if known)
	500	Xerxes Fiberglass

B. TYPE OF USER (check one):
1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☒ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify): _____

TANK CONSTRUCTION:
1. ☐ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☒ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☐ No
Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type:
Spill Containment? ☐ Yes ☐ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

C. PIPING CONSTRUCTION
1. ☐ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: A. ☐ auto shutoff; B. ☐ alarm; or C. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank
3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other:
Double Walled: ☐ Yes ☐ No

D. TANK CONTENTS
1. ☐ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☒ Other New Motor Oil
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr):	Has a site assessment been completed? (see reverse side for details)
10-21-93	☒ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Name of Owner or Operator (please print):	Indicate Whether: ☐ Owner or ☐ Operator
Signature of Owner or Operator:	Date Signed: 11/10/93

ERF-7437 (R. 03/91) **IMPORTANT:** Complete as many items on this form as possible. Failure to provide sufficient information may cause to fall under additional regulati

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

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- ☐ 2. Abandoned With Product
- ☐ Abandoned No Product (empty) or With Water
- ☒ 4. Closed - Tank Removed
- ☐ 6. Closed - Filled With Inert Material
- ☐ 7. Out of Service
- ☐ 8. Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located:

A. IDENTIFICATION: (Please Print)

Tank Site Name	Site Address	Site Telephone No.
United States Postal Service	300 Packerland Dr	(414) 498-3921

City	Village	Town of:	State	Zip Code	County
Green Bay	☐	☐	WI	54303	Brown

2. Owner Name (mail sent here unless indicated otherwise in #3 below)	Owner Mailing Address (mail sent here unless indicated otherwise in #3)

City	Village	Town of:	State	Zip Code	County
☐	☐	☐			

3. Alternate Mailing Name If Different Than #2	Alternate Mailing Street Address If Different From #2

City	Village	Town of:	State	Zip Code	County
☐	☐	☐			

4. Tank Age (date installed, if known: or years old)	5. Tank Capacity (gallons)	6. Tank Manufacturer's Name (if known)
	500	XERXES Fiberglass

TYPE OF USER (check one):
- 1. ☐ Gas Station
- 2. ☐ Bulk Storage
- 3. ☐ Utility
- 4. ☐ Mercantile
- 5. ☐ Industrial
- 6. ☒ Government
- 7. ☐ School
- 8. ☐ Residential
- ☐ Agricultural
- 10. ☐ Other (specify): _____

TANK CONSTRUCTION:
- 1. ☐ Bare Steel
- 2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
- 3. ☐ Coated Steel
- 4. ☒ Fiberglass
- 5. ☐ Other (specify): _____
- ☐ Relined
- 7. ☐ Steel - Fiberglass Reinforced Plastic Composite
- 9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is Tank Double Walled? ☐ Yes ☐ No

Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type: | Spill Containment? ☐ Yes ☐ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

B. PIPING CONSTRUCTION
1. ☐ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current) 3. ☐ Coated Steel
☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: A. ☐ auto shutoff; B. ☐ alarm; or C. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank
3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other: | Double Walled: ☐ Yes ☐ No

E. TANK CONTENTS
- ☐ Diesel
- 2. ☐ Leaded
- 3. ☐ Unleaded
- 4. ☐ Fuel Oil
- ☐ Gasohol
- 6. ☒ Other NEW Motor Oil
- 7. ☐ Empty
- 8. ☐ Sand/Gravel/Slurry
- ☐ Unknown
- 10. ☐ Premix
- 11. ☐ Waste Oil
- 12. ☐ Propane
- 13. ☐ Chemical * _____ _____ _____
- 14. ☐ Kerosene
- 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr):	Has a site assessment been completed? (see reverse side for details)
10-21-93	☒ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Name of Owner or Operator (please print):	Indicate Whether: ☐ Owner or ☐ Operator
Signature of Owner or Operator:	Date Signed: 11/10/93

SBD-7437 (R. 03/91) **IMPORTANT:** Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations.

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1. ☐ In Use or New
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Closed - Tank Removed
6. ☐ Closed - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located:

A. IDENTIFICATION: (Please Print)

1. Tank Site Name: UNITED STATES POSTAL SERVICE | Site Address: 300 PACKERLAND DR | Site Telephone No.: (414) 498-3921
☒ City ☐ Village ☐ Town of: GREEN BAY | State: WI | Zip Code: 54303 | County: BROWN

2. Owner Name (mail sent here unless indicated otherwise in #3 below) | Owner Mailing Address (mail sent here unless indicated otherwise in #3)
☐ City ☐ Village ☐ Town of: | State | Zip Code | County

3. Alternate Mailing Name If Different Than #2 | Alternate Mailing Street Address If Different From #2
☐ City ☐ Village ☐ Town of: | State | Zip Code | County

4. Tank Age (date installed, if known: or years old) | 5. Tank Capacity (gallons): 500 | 6. Tank Manufacturer's Name (if known): XERXES Fiberglass

TYPE OF USER (check one):
1. ☐ Gas Station 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile
5. ☐ Industrial 6. ☒ Government 7. ☐ School 8. ☐ Residential
9. ☐ Agricultural 10. ☐ Other (specify): _____

TANK CONSTRUCTION:
1. ☐ Bare Steel 2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☒ Fiberglass 5. ☐ Other (specify): _____
6. ☐ Relined 7. ☐ Steel - Fiberglass Reinforced Plastic Composite 9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is Tank Double Walled? ☐ Yes ☐ No

Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type: | Spill Containment? ☐ Yes ☐ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION
1. ☐ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: A. ☐ auto shutoff; B. ☐ alarm; or C. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank
3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other: | Double Walled: ☐ Yes ☐ No

E. TANK CONTENTS
1. ☐ Diesel 2. ☐ Leaded 3. ☐ Unleaded 4. ☐ Fuel Oil
5. ☐ Gasohol 6. ☐ Other 7. ☐ Empty 8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown 10. ☐ Premix 11. ☒ Waste Oil 12. ☐ Propane
13. ☐ Chemical * _____ _____ _____ 14. ☐ Kerosene 15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr): 10-21-93 | Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Name of Owner or Operator (please print): | Indicate Whether: ☐ Owner or ☐ Operator

Signature of Owner or Operator: Joseph A. Stolle | Date Signed: 11/10/93

ILHR 7437 (R. 03/91) **IMPORTANT:** Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations.

STS Copy

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

RETURN COMPLETED CHECKLIST TO:
Safety & Buildings Division
Fire Prevention & Underground Storage Tank Section
P. O. Box 7969, Madison, WI 53707

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☐ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name	2. Owner Name
[illegible] POSTAL SERVICE	UNITED STATES POSTAL SERVICE
Site Street Address (not P.O. Box)	**Owner Street Address**
300 N KEFFLAND DR	BOX 37740
☒ City ☐ Village ☐ Town of: GREEN BAY	☒ City ☐ Village ☐ Town of: MILWAUKEE — State: WI — Zip Code: 53237
State: WI — Zip Code: 54303 — County: BROWN	County: MILWAUKEE — Telephone No. (include area code): (414) 482-4252

3. Closure Company Name (Print)	Closure Company Street Address,
PHENCO INC	P.O BOX 280
Closure Company Telephone No. (include area code)	**Closure Company City, State, Zip Code**
(414) 729-4305	NEENAH, WI 54957
4. Name of Company Performing Closure Assessment	**Assessment Company Street Address, City, State, Zip Code**
STS CONSULTANTS	1035 KEPLER DR. GREEN BAY, WI 54311

Telephone # (include area code)	Certified Assessor Name (Print)	Assessor Signature	Assessor Certification No.
(414) 468-1978	MARK MAGEE		01004

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
1.	☒	☐	☐	550 GAL	06	☒ Y ☐ N
2.	☒	☐	☐	550 GAL	06	☒ Y ☐ N
3.	☒	☐	☐	550 GAL	11	☒ Y ☐ N
4. ~~RANGE INC?~~	☒	☐	☐		~~02~~	☒ Y ☐ N
5.	☐	☐	☐			☐ Y ☐ N
6.	☐	☐	☐			☐ Y ☐ N

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s) _____ _____ _____; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ☐ Y ☐ N ☐ NA
All local permits were obtained before beginning closure. ☐ Y ☐ N ☐ NA

Check applicable box at right in response to all statements in Sections B - E.

	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐ Y ☐ N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y ☐ N	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating temporary closure.	☐ Y ☐ N	☐	☐
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	☒ Y ☐ N	☐	☐
2. Piping disconnected from tank and removed.	☒ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.**	☒ Y ☐ N	☐	☐
6. Vent lines left connected until tanks purged.	☒ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒ Y ☐ N	☐	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☒ Y ☐ N	☐	☐
10. Tank cleaned before being removed being removed from site.	☒ Y ☐ N	☐	☐

- CONTINUE ON NEXT PAGE -

C. CLOSURE BY REMOVAL (continued)	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site. NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.	☐ Y ☐ N	☐	☒
12. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site.	☐ Y ☐ N	☐	☒
13. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal.	☐ Y ☐ N	☐	☐
14. Site security is provided while the excavation is open.	☒ Y ☐ N	☐	☐

D. CLOSURE IN PLACE	Remover Verified	Inspector Verified	NA
NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.			
1. Product from piping drained into tank (or other container).			
2. Piping disconnected from tank and removed.	☐ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.	☐ Y ☐ N	☐	☐
6. Vent lines left connected until tanks purged.	☐ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☐ Y ☐ N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐ Y ☐ N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐ Y ☐ N	☐	☐
11. Vent line disconnected or removed.	☐ Y ☐ N	☐	☐
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	☐ Y ☐ N	☐	☐

E. CLOSURE ASSESSMENTS	Remover Verified	Inspector Verified	NA
NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.			
1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☒ Y ☐ N	☐	☐
2. Do points of obvious contamination exist?	☒ Y ☐ N	☐	☐
3. Are there strong odors in the soils?	☒ Y ☐ N	☐	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☒ Y ☐ N	☐	☐
5. Was a closure assessment omitted because of obvious contamination?	☐ Y ☒ N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☐ Y ☐ N	☐	☐

Agency, office and person contacted: ______

7. Contamination suspected because of: ☒ Odor ☐ Soil Staining ☐ Free Product ☐ Sheen On Groundwater ☒ Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐ Educator Or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice
Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT**
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒ Tank atmosphere monitored for flammable or combustible vapor levels.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
DAVID CLARK	[signature]	01202	10-21-93

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
MARK MAGEE	Mark Magee	01004

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
	414-469-7778	10-21-93

INSPECTOR

Hazleton
Environmental
Services, Inc.
525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

November 11, 1993

STS Consultants, Ltd.
Attn: Patrick McCarey
1035 Kepler Drive
Green Bay, WI 54311

Re: STS Project No. 20499XF
HES. Inc. Batch No. 31001509

Dear Mr. McCarey:

Enclosed are the analytical results for the soil samples received by HES, Inc. on October 21, 1993 (HES sample numbers 31001509-31001513), associated with STS Project No. 20499XF. The original Chain-of-Custody for these samples is included with this report.

If you have any questions or require any additional information, please call me at (608)232-3332.

Sincerely,

Tina Smirnis

Tina Smirnis
Client Service Representative

cc: Central File

Hazleton Environmental Services, Inc.
525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

STS CONSULTANTS, LTD.

PROJECT NUMBER 20499KF
LIMS BATCH NUMBER 31001509

	ORGANIC			INORGANIC		
				QC BATCH[2]		
HOLDING TIMES. All holding times meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
INITIAL and CONTINUING CALIBRATIONS. All initial and continuing calibrations meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
METHOD BLANKS. All method blanks meet the specified QC criteria.	(YES)	NO*	NA	YES	NO*	NA
SURROGATE RECOVERIES. All surrogate recoveries meet QC criteria.	(YES)	NO*	NA			NA
MATRIX SPIKE/MATRIX SPIKE DUPLICATE[1]. All MS/MSD meet QC criteria.	YES	NO*	(NA)	YES	NO*	NA
DUPLICATE. All relative percent differences (%RPD) meet QC criteria.		(NA)		YES	NO*	NA
CONTROL SPIKE/CONTROL SPIKE DUPLICATE. All CS meet QC criteria.	(YES)	NO*	NA			NA
LABORATORY CONTROL SAMPLE. All LCS meet QC criteria.		(NA)		YES	NO*	NA

Dawn Wheeler

Dawn Wheeler

John Walton

I certify that this data is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above.

Amy Austin
QA Supervisor

AUDITED

(NONAUDITED)

* If circled, see attached for explanation of deviation.
[1] Matrix Spike for inorganic analysis.
[2] Refers to Matrix Spike and Duplicate.
NA = Not Applicable.

Hazleton Environmental Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001509
DATE ENTERED: 10/21/93
REPORT PRINTED: 11/11/93

SOIL: S-2; 10/20
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE DRY WEIGHT	CONCENTRATION		DETECTION LIMIT
	< 10	MG/KG	10 MG/KG
CONTROL SPIKE	106	% RECOVERY	
DUPLICATE CONTROL SPIKE	105	% RECOVERY	
DILUTION FACTOR	1		
DATE RECEIVED	10/21/93		
DATE ANALYZED	10/29/93		
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522		

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001510
DATE ENTERED: 10/21/93
REPORT PRINTED: 11/11/93

SOIL: S-3; 10/20
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION		DETECTION LIMIT
DRY WEIGHT	370	MG/KG	10 MG/KG
CONTROL SPIKE	106	% RECOVERY	
DUPLICATE CONTROL SPIKE	105	% RECOVERY	
DILUTION FACTOR	1		
DATE RECEIVED	10/21/93		
DATE ANALYZED	10/29/93		
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522		

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

WI DNR LAB CERTIFICATION #: 113172950
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Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001511
DATE ENTERED: 10/21/93
REPORT PRINTED: 11/11/93

SOIL: S-4; 10/20
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION		DETECTION LIMIT
DRY WEIGHT	< 10	MG/KG	10 MG/KG
CONTROL SPIKE	106	% RECOVERY	
DUPLICATE CONTROL SPIKE	105	% RECOVERY	
DILUTION FACTOR	1		
DATE RECEIVED	10/21/93		
DATE ANALYZED	10/29/93		
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522		

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001512
DATE ENTERED: 10/21/93
REPORT PRINTED: 11/11/93

SOIL: S-5; 10/20
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION		DETECTION LIMIT
DRY WEIGHT	< 10	MG/KG	10 MG/KG
CONTROL SPIKE	106	% RECOVERY	
DUPLICATE CONTROL SPIKE	105	% RECOVERY	
DILUTION FACTOR	1		
DATE RECEIVED	10/21/93		
DATE ANALYZED	10/29/93		
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522		

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001513
DATE ENTERED: 10/21/93
REPORT PRINTED: 11/11/93

METHANOL BLANK
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION	DETECTION LIMIT
	< 5.0 MG/L	5.0 MG/L
CONTROL SPIKE	106 % RECOVERY	
DUPLICATE CONTROL SPIKE	105 % RECOVERY	
DILUTION FACTOR	1	
DATE RECEIVED	10/21/93	
DATE ANALYZED	10/29/93	
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522	

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

Hazleton Environmental Services, Inc.

525 Science Drive
Madison, Wisconsin 53711
Telephone 608-242-2712 ext. 2066
Facsimile 608-233-0502

Enclose with samples and send to:
HES, Inc.
Attn: Sample Entry
515 Science Drive, Madison, Wisconsin 53711

For HES use only

Company Name and Address (Please Type or Print)
STS CONSULTANTS
1035 KRCICER
GB WIS 54311

Project No. 20499 XF | Project Name GREEN BAY POST OFFICE

Samplers (signature): Pat McCarey

Name of Submitter: PAT McCAREY | Phone No. 414-468-1978

Send Reports To: PAT McCAREY | Send Invoice To:

Date Sent: 10-20-93 | Purchase Order No.

Sample Code	Date	Time	Matrix[1]	Sample Description[2]	Number of Containers	Analysis Requested: GRO	Remarks
31001509	10/20			S-2	3	X	Condition: Cold, Sealed, Wtr. Acct #: 4320, Quote: STSG
31001510				S-3	3	X	
31001511				S-4	3	X	LMK
31001512				S-5	3	X	Sample Rec'd: OCT 21 1993, Init.: LMK
31001513	↓			METH BLANK		X	Date Entered: 10-21-93, HES #: 31001509 - 1513

I hereby certify that I received, properly handled, and disposed of these samples as noted above:

Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time: 10-21-93 1000	Received By (Signature): Lynn Kohler

Remarks (HES use only)
Samples rec'd on ice and good condition - LMK 10-22-93

1 Specify groundwater, surface water, soil, leachate, sludge, etc.
2 Sample description must clearly correlate the sample ID to the sampling location.

WHITE - Executed Copy YELLOW - HES Copy PINK Client Original

1/93

Hazleton
Environmental
Services, Inc.

525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

November 30, 1993

Paul Killian
STS Consultants, Ltd.
1035 Kepler Dr.
Green Bay, WI 54311

USTS - Green Bay

Re: STS Project No. 20499XF
HES, Inc. Batch No. 31001702

Dear Mr. Killian:

Enclosed are the analytical results for the soil samples received by HES, Inc. on October 22, 1993 (HES sample numbers 31001702-31001708), associated with STS Project No. 20499XF. The original Chain-of-Custody for these samples is included with this report.

Case Notes:

* Several samples quantitated for DRO above the WDNR action limit, but the chromatograms did not show typical diesel patterns. The patterns seem to indicate mineral oil contamination, and the chromatograms have been included for your information.

If you have any questions regarding these results, or if I can be of assistance in any way, please call me at (608) 232-3335.

Sincerely,

Peggy

Peggy Popp
Account Executive

Wisconsin Laboratory Certification Number: 113172950

cc: Central File

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

AUL KILLIAN
STS CONSULTANTS, LTD
035 KEPLER DRIVE
REEN BAY, WI 54311

SAMPLE NUMBER: 31001702
DATE ENTERED: 10/23/93
REPORT PRINTED: 11/29/93

OIL: S-1; 10-21-93
PROJECT NUMBER: 20499XF

URCHASE ORDER NUMBER: 20499XF

IESEL RANGE ORGANICS IN SOIL

DIESEL	CONCENTRATION		DETECTION LIMIT	
DRY WEIGHT	12	MG/KG	10	MG/KG*
ONTROL SPIKE	95	% RECOVERY		
DUPLICATE CONTROL SPIKE	109	% RECOVERY		
OIL SPIKE	102	% RECOVERY		
DILUTION FACTOR	1			
DATE RECEIVED	10/22/93			
ATE PRESERVED	10/22/93			
ATE EXTRACTED	10/25/93			
DATE ANALYZED	11/05/93			
RO STANDARD SOURCE	MACRO SCIENTIFIC DRO LOT NO. MI 1331			

=' PATTERNS ARE NOT TYPICAL DIESEL- SEE ATTACHED CHROMATOGRAMS

WI DNR LAB CERTIFICATION #: 113172950

ISCONSIN DNR CERTIFICATION NUMBER: 113172950

IGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

ETHOD REFERENCES

IESEL RANGE ORGANICS IN SOIL
W DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton Environmental Services, Inc.

REPORT OF ANALYSIS

PAUL KILLIAN
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001703
DATE ENTERED: 10/23/93
REPORT PRINTED: 11/29/93

SOIL: S-2; 10-21-93
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION		DETECTION LIMIT	
	< 10	MG/KG	10	MG/KG
CONTROL SPIKE	95	% RECOVERY		
DUPLICATE CONTROL SPIKE	109	% RECOVERY		
SOIL SPIKE	102	% RECOVERY		
DILUTION FACTOR	1			
DATE RECEIVED	10/22/93			
DATE PRESERVED	10/22/93			
DATE EXTRACTED	10/25/93			
DATE ANALYZED	11/05/93			
DRO STANDARD SOURCE	MACRO SCIENTIFIC- WI DRO LOT NO. MK 2521			

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton Environmental Services, Inc.

REPORT OF ANALYSIS

PAUL KILLIAN
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001704
DATE ENTERED: 10/23/93
REPORT PRINTED: 11/29/93

SOIL: S-3; 10-21-93
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION 20 MG/KG	DETECTION LIMIT 10 MG/KG*
CONTROL SPIKE	95 % RECOVERY	
DUPLICATE CONTROL SPIKE	109 % RECOVERY	
SOIL SPIKE	102 % RECOVERY	
DILUTION FACTOR	1	
DATE RECEIVED	10/22/93	
DATE PRESERVED	10/22/93	
DATE EXTRACTED	10/25/93	
DATE ANALYZED	11/04/93	
DRO STANDARD SOURCE	MACRO SCIENTIFIC DRO LOT NO. MI 1331	

*' PATTERNS ARE NOT TYPICAL DIESEL - SEE ATTACHED CHROMATOGRAMS

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton Environmental Services, Inc.

REPORT OF ANALYSIS

PAUL KILLIAN
ETS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001705
DATE ENTERED: 10/23/93
REPORT PRINTED: 11/29/93

SOIL: S-4; 10-21-93
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL	CONCENTRATION		DETECTION LIMIT	
DRY WEIGHT	12	MG/KG	10	MG/KG*
CONTROL SPIKE	95	% RECOVERY		
DUPLICATE CONTROL SPIKE	109	% RECOVERY		
SOIL SPIKE	102	% RECOVERY		
DILUTION FACTOR	1			
DATE RECEIVED	10/22/93			
DATE PRESERVED	10/22/93			
DATE EXTRACTED	10/25/93			
DATE ANALYZED	11/04/93			
DRO STANDARD SOURCE	MACRO SCIENTIFIC DRO LOT NO. MI 1331			

*' PATTERNS ARE NOT TYPICAL DIESEL - SEE ATTACHED CHROMATOGRAMS

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAUL KILLIAN
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001706
DATE ENTERED: 10/23/93
REPORT PRINTED: 11/29/93

SOIL: S-5; 10-21-93
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION		DETECTION LIMIT	
	< 10	MG/KG	10	MG/KG
CONTROL SPIKE	95	% RECOVERY		
DUPLICATE CONTROL SPIKE	109	% RECOVERY		
SOIL SPIKE	102	% RECOVERY		
DILUTION FACTOR	1			
DATE RECEIVED	10/22/93			
DATE PRESERVED	10/22/93			
DATE EXTRACTED	10/25/93			
DATE ANALYZED	11/04/93			
DRO STANDARD SOURCE	MACRO SCIENTIFIC- WI DRO LOT NO. MK 2521			

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAUL KILLIAN
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001707
DATE ENTERED: 10/23/93
REPORT PRINTED: 11/29/93

SOIL: S-6; 10-21-93
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL	CONCENTRATION		DETECTION LIMIT	
DRY WEIGHT	660	MG/KG	100	MG/KG*
CONTROL SPIKE	95	% RECOVERY		
DUPLICATE CONTROL SPIKE	109	% RECOVERY		
SOIL SPIKE	102	% RECOVERY		
DILUTION FACTOR	10			
DATE RECEIVED	10/22/93			
DATE PRESERVED	10/22/93			
DATE EXTRACTED	10/25/93			
DATE ANALYZED	11/08/93			
DRO STANDARD SOURCE	MACRO SCIENTIFIC DRO LOT NO. MI 1331			

'*' PATTERNS ARE NOT TYPICAL DIESEL - SEE ATTACHED CHROMATOGRAMS

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAUL KILLIAN
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31001708
DATE ENTERED: 10/23/93
REPORT PRINTED: 11/29/93

SOIL: S-7; 10-21-93
PROJECT NUMBER: 20499XF

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION 16000 MG/KG	DETECTION LIMIT 500 MG/KG*
CONTROL SPIKE	95 % RECOVERY	
DUPLICATE CONTROL SPIKE	109 % RECOVERY	
SOIL SPIKE	102 % RECOVERY	
DILUTION FACTOR	10	
DATE RECEIVED	10/22/93	
DATE PRESERVED	10/22/93	
DATE EXTRACTED	10/25/93	
DATE ANALYZED	11/08/93	
DRO STANDARD SOURCE	MACRO SCIENTIFIC DRO LOT NO. MI 1331	

'*' PATTERNS ARE NOT TYPICAL DIESEL - SEE ATTACHED CHROMATOGRAMS

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton Environmental Services, Inc.
525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

STS CONSULTANTS, LTD.

PROJECT NUMBER 20499XF
LIMS BATCH NUMBER 31001702

	ORGANIC			INORGANIC		
				QC BATCH[2]		
HOLDING TIMES. All holding times meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
INITIAL and CONTINUING CALIBRATIONS. All initial and continuing calibrations meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
METHOD BLANKS. All method blanks meet the specified QC criteria.	(YES)	NO*	NA	YES	NO*	NA
SURROGATE RECOVERIES. All surrogate recoveries meet QC criteria.	YES	NO*	(NA)		NA	
MATRIX SPIKE/MATRIX SPIKE DUPLICATE[1]. All MS/MSD meet QC criteria.	YES	NO*	(NA)	YES	NO*	NA
DUPLICATE. All relative percent differences (%RPD) meet QC criteria.		(NA)		YES	NO*	NA
CONTROL SPIKE/CONTROL SPIKE DUPLICATE. All CS meet QC criteria.	(YES)	NO*	NA		NA	
LABORATORY CONTROL SAMPLE. All LCS meet QC criteria.		(NA)		YES	NO*	NA

Dawn Wheeler — Dawn Wheeler

John Walton

I certify that this data is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above.

Amy L. Austin — QA Supervisor

AUDITED (NONAUDITED)

* If circled, see attached for explanation of deviation.
[1] Matrix Spike for inorganic analysis.
[2] Refers to Matrix Spike and Duplicate.
NA = Not Applicable.

Terms and Conditions

1. Reports are submitted to clients on a confidential basis. No reference to the work, the results, or HES, Inc., in any form of advertising, news release, or other public announcements may be made without written authorization from HES.

2. The term "Less Than" or the symbol (<) is used to signify the lower limit of quantitation of the procedure under the conditions employed. The use of the term "Less Than" or (<) does not imply that traces of analyte were present.

   The term "None Detected" is used to report assay results where detection limits have been established for the method but acceptable residue levels have not been defined by the industry or by federal law or when the method does not define detection limits. The term will specify the fixed amount of sample employed in the analysis and does not imply that traces of the analyte were present.

3. Samples submitted to HES for routine analysis will be retained for a minimum of sixty (60) days after the report of analysis is issued. Extended storage requirements must be brought to the attention of HES prior to or at the time of sample submission. HES, at its discretion, may charge for such extended storage. Records and specimens from all government regulated studies will be maintained in accordance with federal regulations.

4. Analytical Method Summaries will be supplied to the client upon request. Detailed copies of in-house laboratory procedures may be reviewed by the client or his agent during a site visit, but may not be copied without the expressed consent of HES.

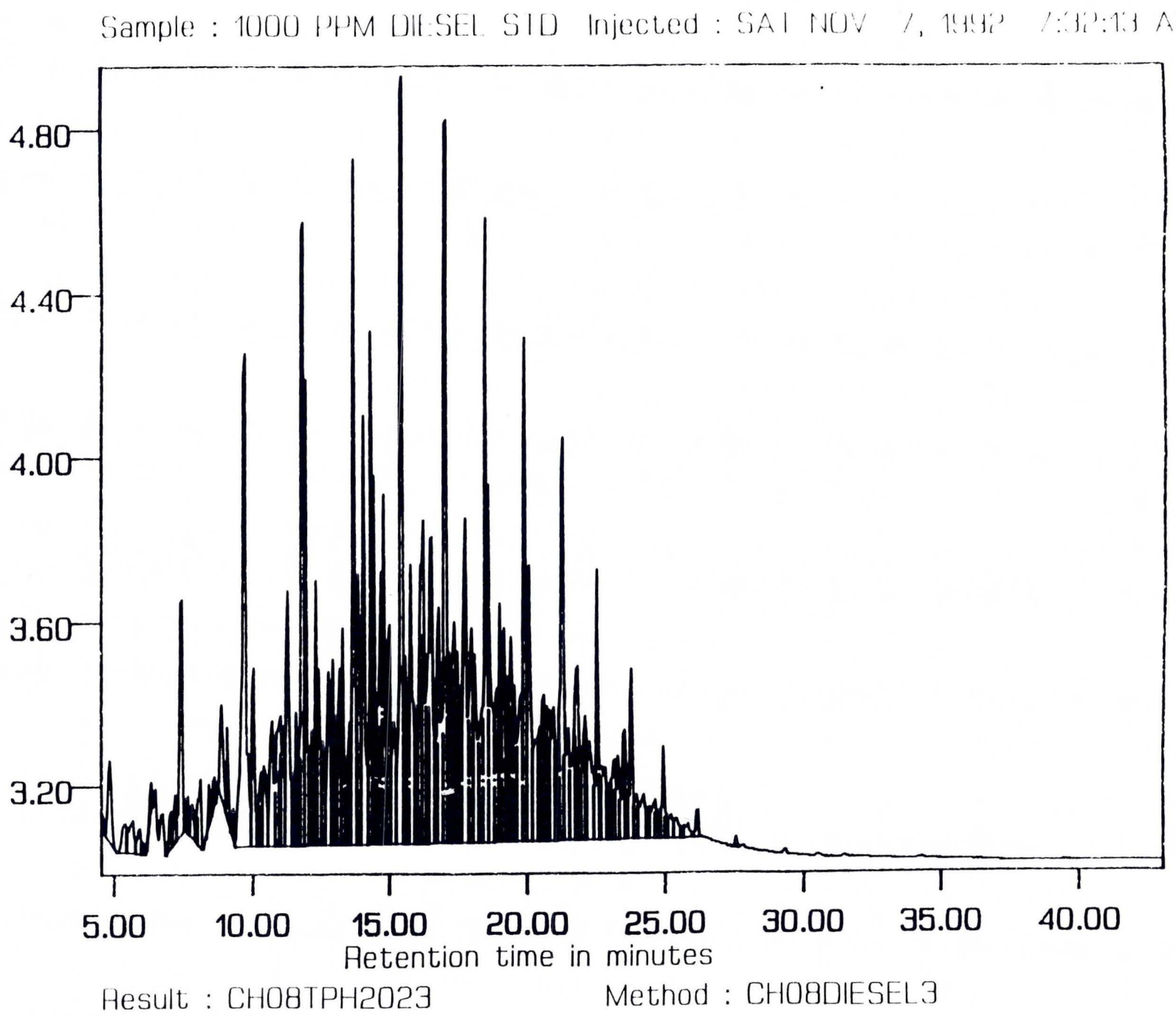
5. All work performed by HES will be conducted in accordance with the HES Quality Assurance Program. Specific documentation requirements of the client for work performed by HES must be made known to HES prior to the start of the requested work.

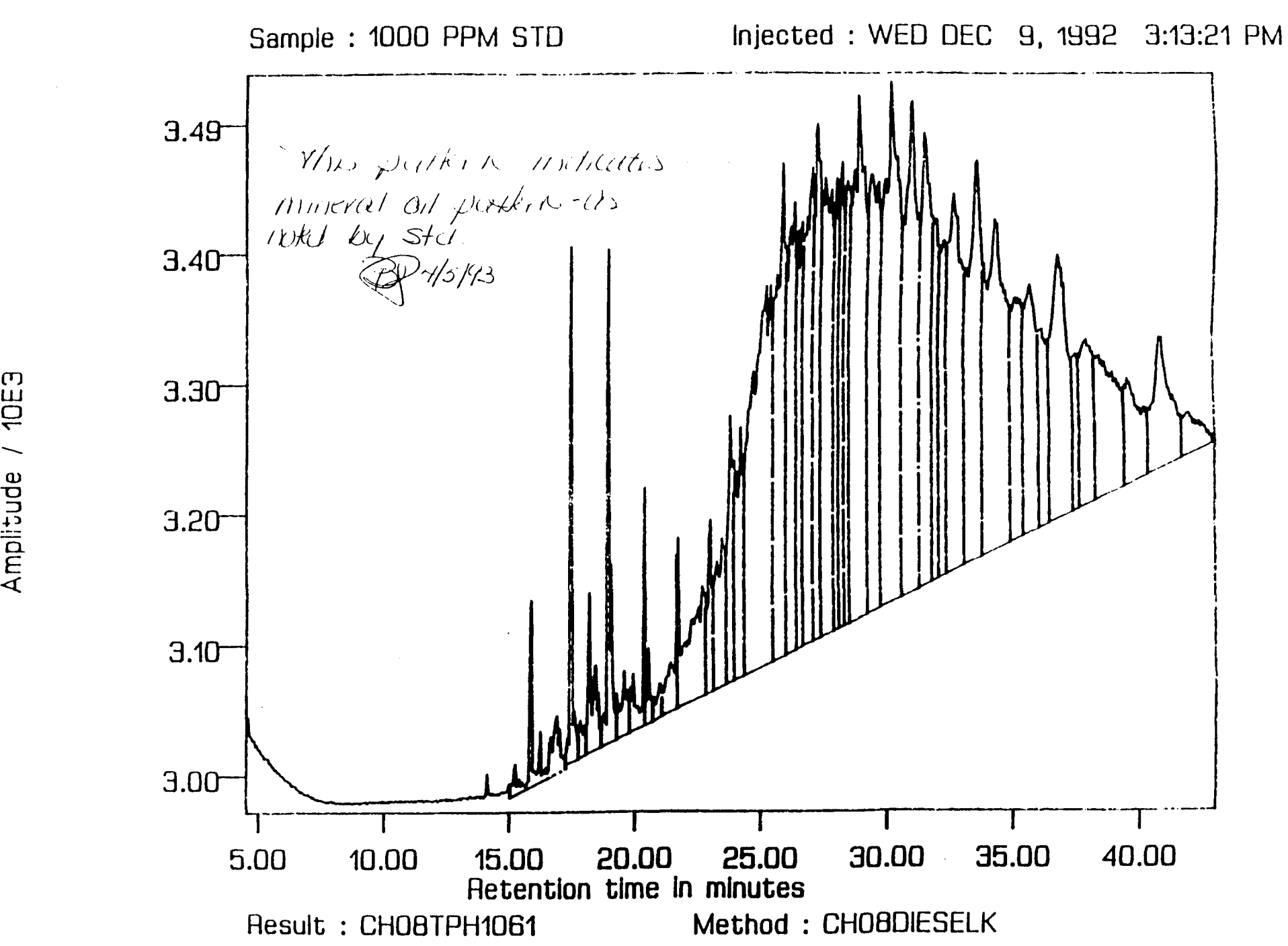
6. Records of the raw data, reports, etc., will be maintained by HES in its data archives for a minimum of five (5) years unless otherwise specified by government regulations after the completion of the requested work. One (1) duplicate report will be made available free of charge for a period of one (1) year. HES reserves the right to charge for copies made after one (1) year and to charge for any and all copies of raw data requested.

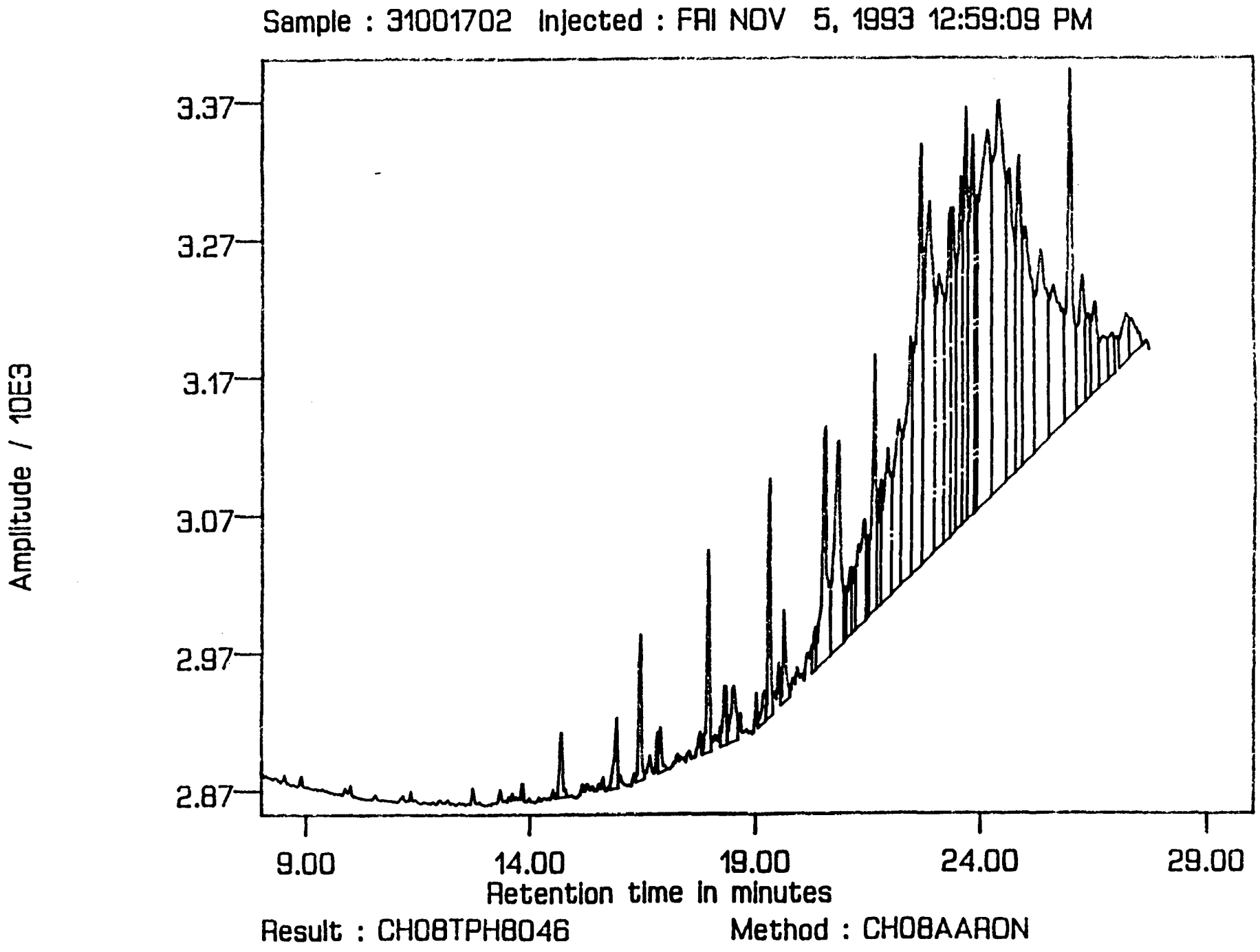
7. Raw data, chromatograms, calibration data, etc., are the sole property of HES. Copies will be made available upon request when the quality of the original document is such that duplication is possible.

8. Clients and/or their agents may, with prior notice, inspect/audit the records, facilities, etc., of HES pertinent to their study. All data not pertinent to the specific study is confidential and will not be made available.

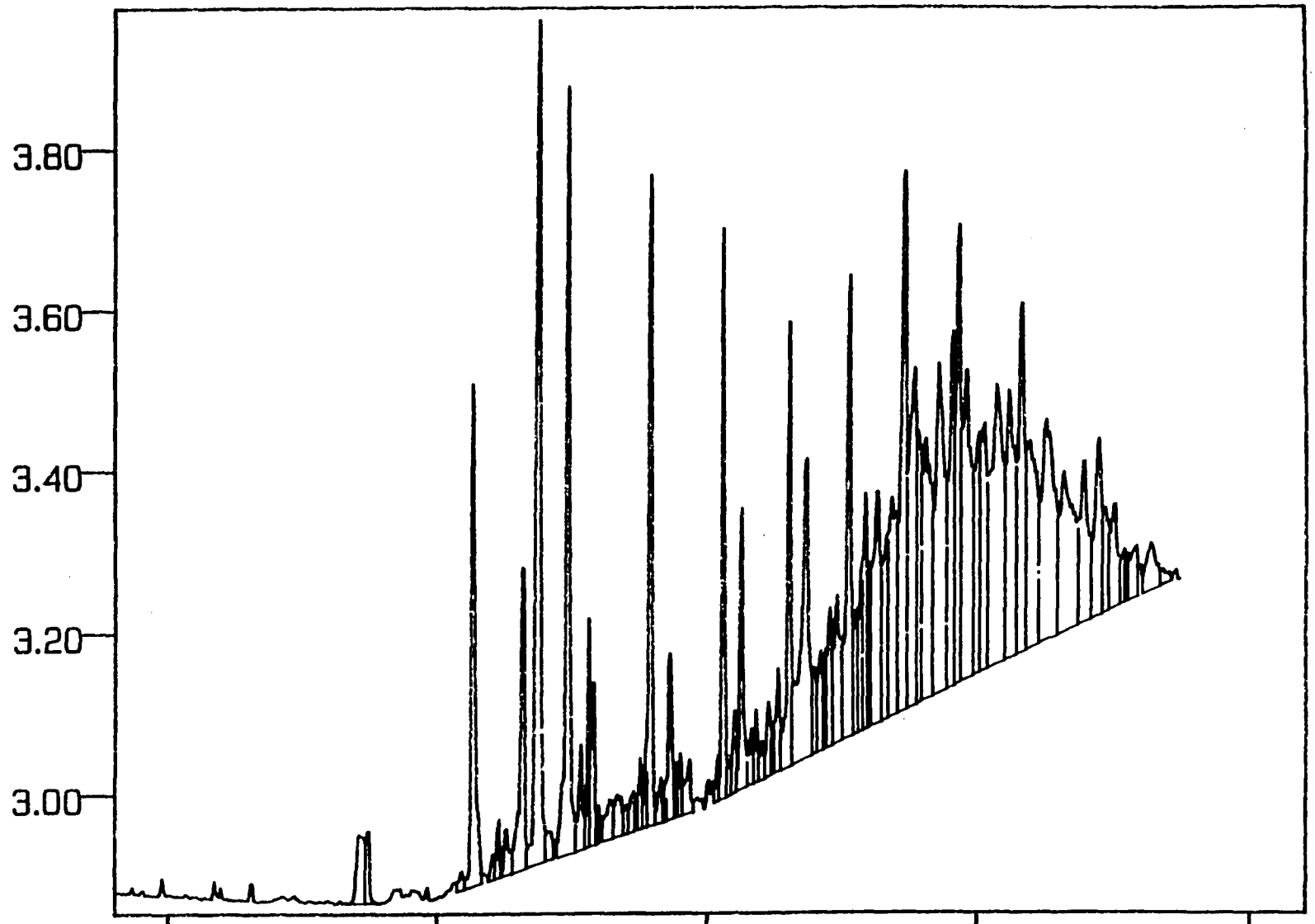
9. Routine inquiry concerning work performed by HES should be made to the Client Service Center. The client is also encouraged to bring any concerns or questions to the attention of management, technical staff, or the facility Quality Assurance Unit.


Sample : 1000 PPM DIESEL STD Injected : SAT NOV 7, 1992 7:32:13 AM
4.80
4.40
4.00
3.60
3.20
5.00
10.00
15.00
20.00
25.00
30.00
35.00
40.00
Retention time in minutes
Result : CH08TPH2023
Method : CH08DIESEL3

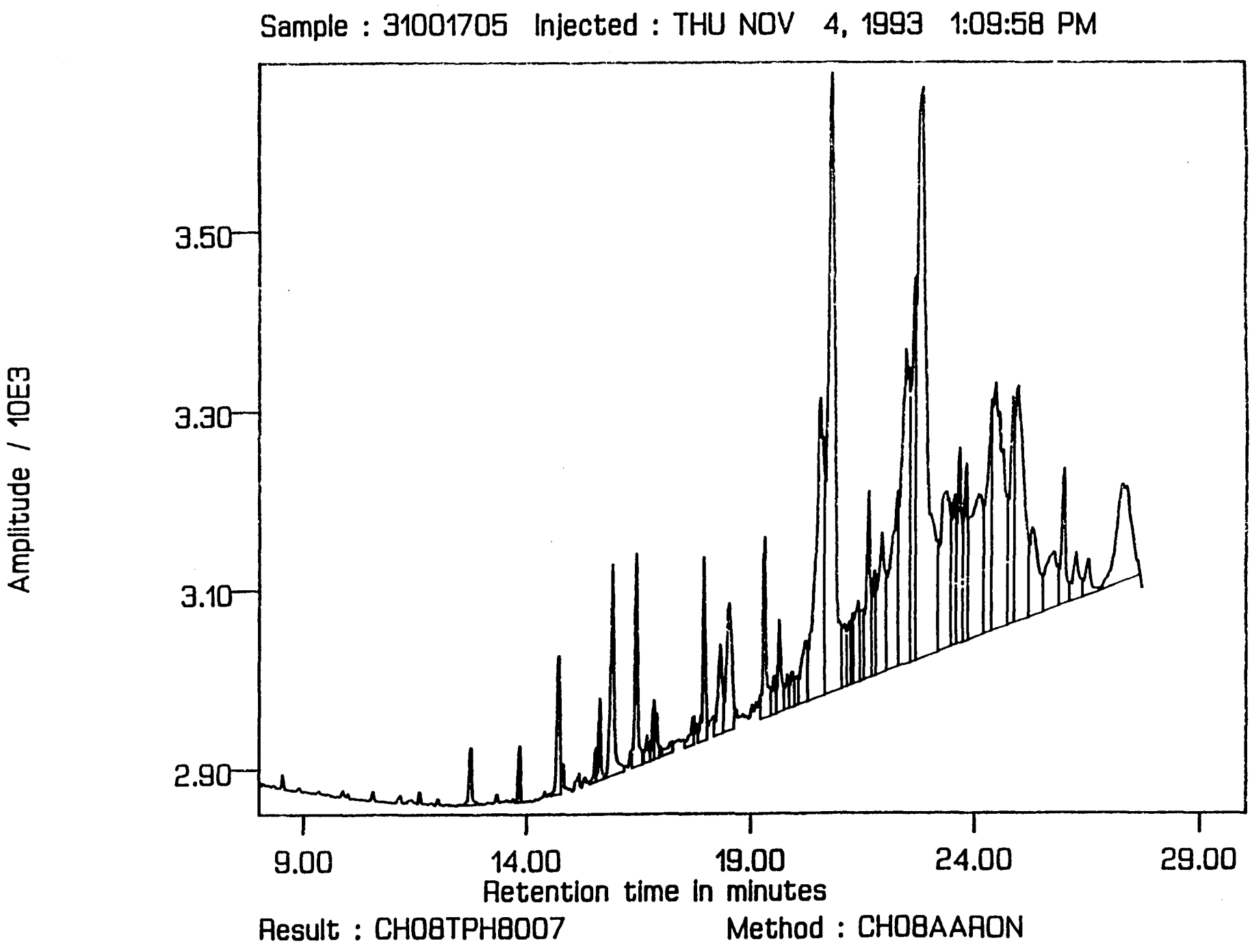

Sample : 1000 PPM STD
Injected : WED DEC 9, 1992 3:13:21 PM
3.49
3.40
3.30
3.20
3.10
3.00
Amplitude / 10E3
5.00
10.00
15.00
20.00
25.00
30.00
35.00
40.00
Retention time in minutes
Result : CH08TPH1061
Method : CH08DIESELK

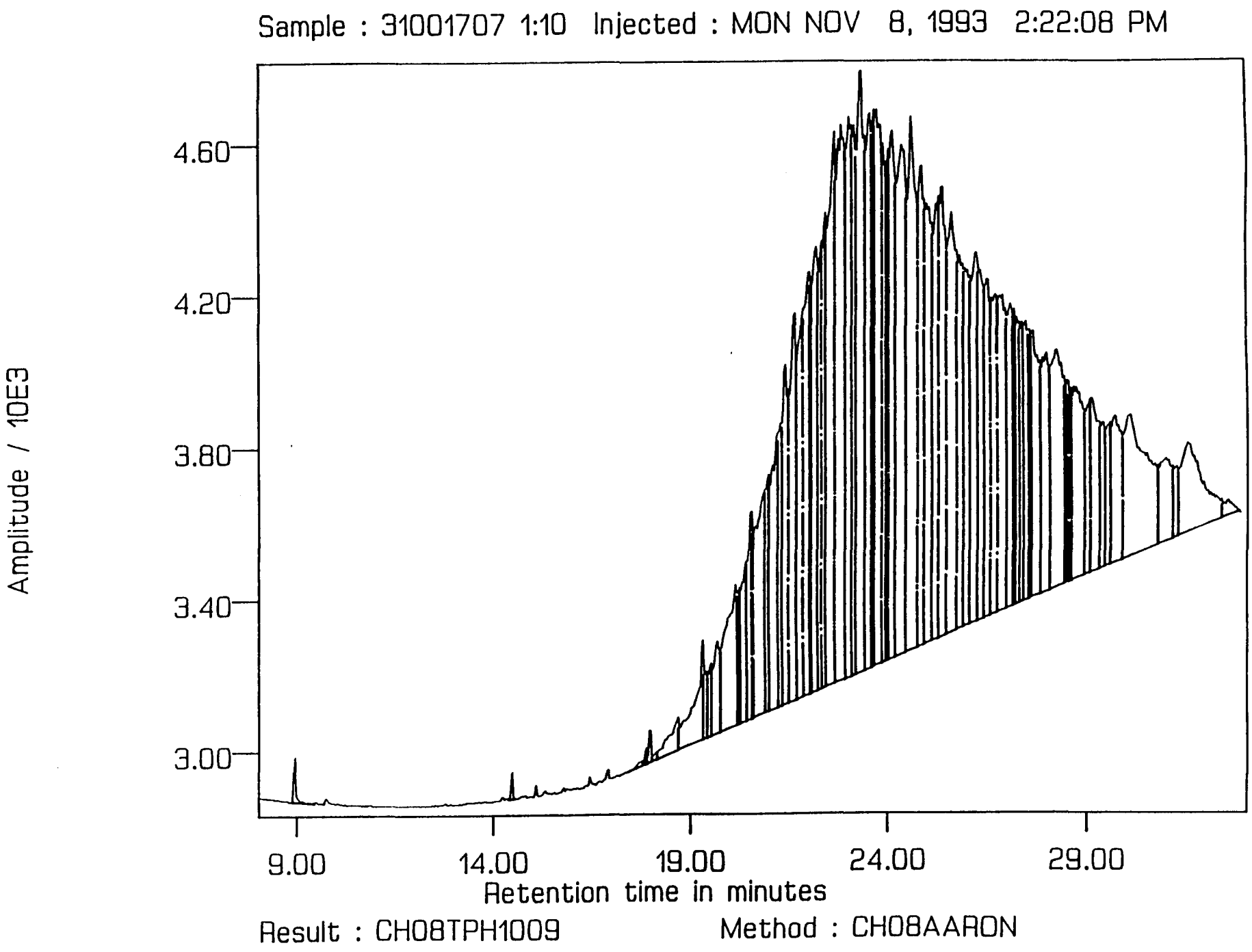

Sample : 31001702 Injected : FRI NOV 5, 1993 12:59:09 PM
3.37
3.27
3.17
3.07
2.97
2.87
Amplitude / 10E3
9.00
14.00
19.00
24.00
29.00
Retention time in minutes
Result : CH08TPH8046
Method : CH08AARON

Sample : 31001704 Injected : THU NOV 4, 1993 12:33:36 PM

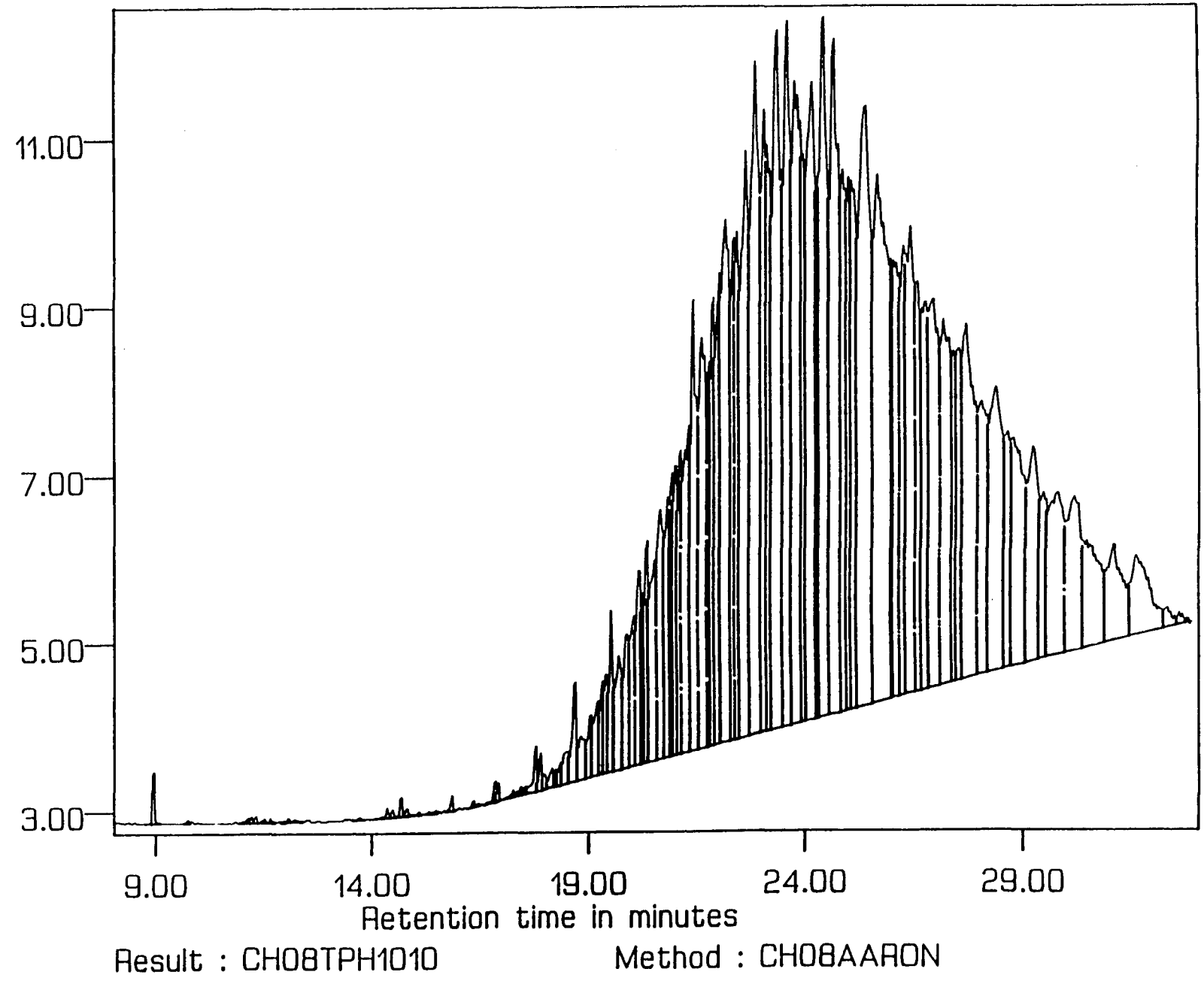


Result : CH08TPH8006 Method : CH08AARON


Sample : 31001705 Injected : THU NOV 4, 1993 1:09:58 PM
Amplitude / 10E3
3.50
3.30
3.10
2.90
9.00
14.00
19.00
24.00
29.00
Retention time in minutes
Result : CH08TPH8007
Method : CH08AARON


Sample : 31001707 1:10 Injected : MON NOV 8, 1993 2:22:08 PM
Amplitude / 10E3
4.60
4.20
3.80
3.40
3.00
9.00
14.00
19.00
24.00
29.00
Retention time in minutes
Result : CH08TPH1009
Method : CH08AARON

Sample : 31001708 1:10 Injected : MON NOV 8, 1993 3:04:07 PM



Result : CH08TPH1010 Method : CH08AARON

STS CHAIN OF CUSTODY RECORD

№ 19366 RECORD NO. _____ THROUGH _____

Contact Person Paul Kulinec
Phone No. 414-468-1978
Project No. 20499XF PO No. _____
STS Office GB

SPECIAL HANDLING REQUEST
☐ RUSH
☐ VERBAL
☐ OTHER

Laboratory Hazleton
Contact Person Debby Boyd
Phone No. _____
Results Due _____

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Spec. Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
	1993													
S-1	10/21		X		3	Soil		X					DRO, % Solids	
S-2	"		"		"	"		"					"	Condition Cold Rec'd WIR
S-3	"		"		"	"		"					"	Acct. # 4320 Acid STSG
S-4	"		"		"	"		"					"	Shipped Rec'd OCT 22 1993 Init. LMK
S-5	"		"		"	"		"					"	
S-6	"		"		"	"		"					"	Data Entered 10-23-93 Init. LMK
S-7	10/21		X		3	Soil		X					DRO, % Solid	31001002

Collected by: Mary Ann Mayer	Date 10-21-93	Time	Delivery by: UPS	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Lynn Kohler	Date 10-22-93	Time 6:15	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt ☐ Yes ☐ No ☐ N/A

Final disposition:

Comments (Weather Conditions, Precautions, Hazards):
Samples rec'd on ice, LMK

Distribution: Original and Green – Laboratory Yellow – As needed Pink – Transporter Goldenrod – STS Project File

Instruction to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

11/90 FORM 038

Hazleton
Environmental
Services, Inc.

525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

January 11, 1994

Patrick McCarey
STS Consultants, Ltd.
1035 Kepler Drive
Green Bay, WI 54311

Re: STS Project No. 20499XF
HES, Inc. Batch No. 31200884

Dear Mr. McCarey:

Enclosed are the analytical results for the soil samples received by HES, Inc. on December 17, 1993 (HES sample numbers 31200884-31200888), associated with STS Project No. 20499XF. The original Chain-of-Custody for these samples is included with this report, as well as the associated QC reports.

Case Notes:

* The stockpile sample (HES sample number 31200884) had poor PVOC surrogate recovery. The sample was re-analyzed with similar results, indicating the matrix was responsible for the poor recovery.

* The stockpile sample quantitated for DRO based on the retention time window. The pattern was not that of a typical diesel fuel, but rather indicated contamination by heavier petroleum product such as motor oil.

If you have any questions regarding these results, or if I can be of assistance in any way, please call me at (608) 232-3335.

Sincerely,

Peggy

Peggy Popp
Account Executive

Wisconsin Laboratory Certification Number: 113172950

cc: Central File

Hazleton
Environmental
Services, Inc.

525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

STS CONSULTANTS, LTD.

PROJECT NUMBER 20499XF
LIMS BATCH NUMBER 31200884

	ORGANIC			INORGANIC		
				QC BATCH[2]		
HOLDING TIMES. All holding times meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
INITIAL and CONTINUING CALIBRATIONS. All initial and continuing calibrations meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
METHOD BLANKS. All method blanks meet the specified QC criteria.	(YES)	NO*	NA	YES	NO*	NA
SURROGATE RECOVERIES. All surrogate recoveries meet QC criteria.	YES	(NO*) PVOC	NA		NA	
MATRIX SPIKE/MATRIX SPIKE DUPLICATE[1]. All MS/MSD meet QC criteria.	YES	NO*	(NA)	YES	NO*	NA
DUPLICATE. All relative percent differences (%RPD) meet QC criteria.		(NA)		YES	NO*	NA
CONTROL SPIKE/CONTROL SPIKE DUPLICATE. All CS meet QC criteria.	(YES)	NO*	NA		NA	
LABORATORY CONTROL SAMPLE. All LCS meet QC criteria.		(NA)		YES	NO*	NA

Dawn Wheeler

John Walton

I certify that this data is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above.

Amy Austin
QA Supervisor

AUDITED (NONAUDITED)

* If circled, see attached for explanation of deviation.
[1] Matrix Spike for inorganic analysis.
[2] Refers to Matrix Spike and Duplicate.
NA = Not Applicable.

Hazleton Environmental Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31200884
DATE ENTERED: 12/17/93
REPORT PRINTED: 01/11/94

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

PURCHASE ORDER NUMBER: 20499XF

BTEX ANALYSIS IN SOILS

COMPOUND NAME	DILUTION FACTOR	DETECTION LIMIT	CONC	UG/KG
BENZENE	1	1.1	<	1.1
TOLUENE	1	1.1	<	1.1
ETHYLBENZENE	1	1.1	<	1.1
m AND p-XYLENE	1	2.1	<	2.1
o-XYLENE	1	1.1	10	
FLUOROBENZENE (SURROGATE)	47	% RECOVERED		
DATE ANALYZED	12/27/93			
DATE RECEIVED	12/17/93			

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION 470 MG/KG	DETECTION LIMIT 50 MG/KG
CONTROL SPIKE	91 % RECOVERY	
DUPLICATE CONTROL SPIKE	96 % RECOVERY	
DILUTION FACTOR	5	
DATE RECEIVED	12/17/93	
DATE PRESERVED	12/17/93	
DATE EXTRACTED	12/17/93	
DATE ANALYZED	12/24/93	
DRO STANDARD SOURCE	MACRO SCIENTIFIC- WI DRO LOT NO. MK 1532	

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION		DETECTION LIMIT	
DRY WEIGHT	23	MG/KG	10	MG/KG

CONTROL SPIKE	87	% RECOVERY
DUPLICATE CONTROL SPIKE	94	% RECOVERY

DILUTION FACTOR	1
DATE RECEIVED	12/17/93
DATE ANALYZED	12/23/93

TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522

REACTIVE SULFIDE

PARAMETER	RESULTS	UNITS
REACTIVE SULFIDE	20	MG/KG

REACTIVE CYANIDE

PARAMETER	RESULTS	UNITS
REACTIVE CYANIDE	< 1	MG/KG

IGNITABILITY, PENSKY-MARTENS CLOSED

FLASHPOINT

>140 DEGREE F

LEAD IN SOILS-LUST

COMPOUND NAME	DILUTION FACTOR	DETECTION LIMIT	DRY WEIGHT MG/KG
LEAD	2.5	0.2	5.9

DATE RECEIVED	12/17/93
DATE DIGESTED	12/23/93
DATE ANALYZED	01/07/94

FREE LIQUIDS (PAINT FILTER TEST)

NO FREE LIQUIDS

CADMIUM IN SOIL-LUST

DILUTION FACTOR	DETECTION LIMIT	DRY WEIGHT

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

CADMIUM IN SOIL-LUST (CONTINUED)

COMPOUND NAME		MG/KG	MG/KG
CADMIUM	1	0.2	< 0.22

DATE RECEIVED 12/17/93
DATE DIGESTED 12/22/93
DATE ANALYZED 01/07/94

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

EDIT MNEMONIC-INORGANICS

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED John C Walton
JOHN C. WALTON
SUPERVISOR, INORGANICS

METHOD REFERENCES

BTEX ANALYSIS IN SOILS
EPA SW-846 METHOD 8021: "VOLATILE ORGANIC COMPOUNDS IN WATER BY PURGE AND TRAP CAPILLARY COLUMN GAS CHROMATOGRAPHY WITH PHOTINIZATION AND ELECTROLYTIC CONDUCTIVITY DETECTORS IN SERIES."
REV 0, DECEMBER 1987
U.S. EPA METHOD 602 (FEDERAL REGISTER, VOLUME 49, NO. 209, PG. 43261-43271, OCTOBER 26, 1984).
TEST METHODS FOR EVALUATING SOLID WASTE, EPA PUBLICATION NO. SW-846, SECOND EDITION, METHODS, 8020, 5030, U.S. EPA, WASHINGTON, DC(REVISED APRIL, 1984).

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

SOIL: STOCKPILE; 12/15/93; 1100
PROJECT NAME: GB POST OFFICE

METHOD REFERENCES (CONTINUED)

REACTIVE SULFIDE
SW846 7.3.4.2: IEA LABORATORIES, SCHAUMBERG, IL

REACTIVE CYANIDE
SW846 7.3.3.2: IEA LABORATORIES, SCHAUMBERG, IL

IGNITABILITY, PENSKY-MARTENS CLOSED
TEST METHODS FOR EVALUATING SOLID WASTE. USEPA, SW-846, THIRD EDITION, NOVEMBER 1990.

LEAD IN SOILS-LUST
TEST METHODS FOR EVALUATING SOLID WASTE, EPA PUBLICATION NO. SW-846, SECOND EDITION, METHODS(3030,3040 OR 3050) AND 7421, U.S. EPA, WASHINGTON, DC (REVISED APRIL 1984)

FREE LIQUIDS (PAINT FILTER TEST)
EPA SW-846 METHOD 9095 PAINT FILTER LIQUIDS TEST, REV O, SEPTEMBER 1986

CADMIUM IN SOIL-LUST
CONTRACT LABORATORY PROGRAMS S.O.W. MARCH 1990, METHOD 213.2 CLP-M
EPA, WASHINGTON, D.C. (MARCH 1990).

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

EDIT MNEMONIC-INORGANICS
SIGNATURE BLOCK FOR INORGANIC ANALYSIS

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31200885
DATE ENTERED: 12/17/93
REPORT PRINTED: 01/11/94

SOIL: B-3A S4 7.5-9'; 12/15/93
PROJECT NAME: GB POST OFFICE

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION	DETECTION LIMIT
	< 10 MG/KG	10 MG/KG
CONTROL SPIKE	91 % RECOVERY	
DUPLICATE CONTROL SPIKE	96 % RECOVERY	
DILUTION FACTOR	1	
DATE RECEIVED	12/17/93	
DATE PRESERVED	12/17/93	
DATE EXTRACTED	12/17/93	
DATE ANALYZED	12/24/93	
DRO STANDARD SOURCE	MACRO SCIENTIFIC- WI DRO LOT NO. MK 1532	

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31200886
DATE ENTERED: 12/17/93
REPORT PRINTED: 01/11/94

SOIL: B-4 S3 5-7.5'; 12/15/93
PROJECT NAME: GB POST OFFICE

PURCHASE ORDER NUMBER: 20499XF

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION	DETECTION LIMIT
	< 10 MG/KG	10 MG/KG
CONTROL SPIKE	91 % RECOVERY	
DUPLICATE CONTROL SPIKE	96 % RECOVERY	
DILUTION FACTOR	1	
DATE RECEIVED	12/17/93	
DATE PRESERVED	12/17/93	
DATE EXTRACTED	12/17/93	
DATE ANALYZED	12/24/93	
DRO STANDARD SOURCE	MACRO SCIENTIFIC- WI DRO LOT NO. MK 1532	

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

DIESEL RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING DIESEL RANGE ORGANICS", PUBLICATION SW-141,1992.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31200887
DATE ENTERED: 12/17/93
REPORT PRINTED: 01/11/94

SOIL: B-1 S3 5-6.5'; 12/14/93
PROJECT NAME: GB POST OFFICE

PURCHASE ORDER NUMBER: 20499XF

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION	DETECTION LIMIT
DRY WEIGHT	< 10 MG/KG	10 MG/KG
CONTROL SPIKE	96 % RECOVERY	
DUPLICATE CONTROL SPIKE	99 % RECOVERY	
DILUTION FACTOR	1	
DATE RECEIVED	12/17/93	
DATE ANALYZED	12/21/93	
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522	

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

Hazleton
Environmental
Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31200888
DATE ENTERED: 12/17/93
REPORT PRINTED: 01/11/94

SOIL: B-2 S3 5-6.5'; 12/14/93
PROJECT NAME: GB POST OFFICE

PURCHASE ORDER NUMBER: 20499XF

GASOLINE RANGE ORGANICS IN SOIL

GASOLINE	CONCENTRATION	DETECTION LIMIT
DRY WEIGHT	< 10 MG/KG	10 MG/KG
CONTROL SPIKE	96 % RECOVERY	
DUPLICATE CONTROL SPIKE	99 % RECOVERY	
DILUTION FACTOR	1	
DATE RECEIVED	12/17/93	
DATE ANALYZED	12/21/93	
TPH STANDARD SOURCE	MACRO SCIENTIFIC, WI GRO MIX LOT NO. ME 1522	

WI DNR LAB CERTIFICATION #: 113172950

WISCONSIN DNR CERTIFICATION NUMBER: 113172950

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

GASOLINE RANGE ORGANICS IN SOIL
WI DEPT. OF NATURAL RESOURCES "METHOD FOR DETERMINING GASOLINE RANGE ORGANICS," PUBLICATION SW-141, 1992

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

Terms and Conditions

1. Reports are submitted to clients on a confidential basis. No reference to the work, the results, or HES, Inc., in any form of advertising, news release, or other public announcements may be made without written authorization from HES.

2. The term "Less Than" or the symbol (<) is used to signify the lower limit of quantitation of the procedure under the conditions employed. The use of the term "Less Than" or (<) does not imply that traces of analyte were present.

   The term "None Detected" is used to report assay results where detection limits have been established for the method but acceptable residue levels have not been defined by the industry or by federal law or when the method does not define detection limits. The term will specify the fixed amount of sample employed in the analysis and does not imply that traces of the analyte were present.

3. Samples submitted to HES for routine analysis will be retained for a minimum of sixty (60) days after the report of analysis is issued. Extended storage requirements must be brought to the attention of HES prior to or at the time of sample submission. HES, at its discretion, may charge for such extended storage. Records and specimens from all government regulated studies will be maintained in accordance with federal regulations.

4. Analytical Method Summaries will be supplied to the client upon request. Detailed copies of in-house laboratory procedures may be reviewed by the client or his agent during a site visit, but may not be copied without the expressed consent of HES.

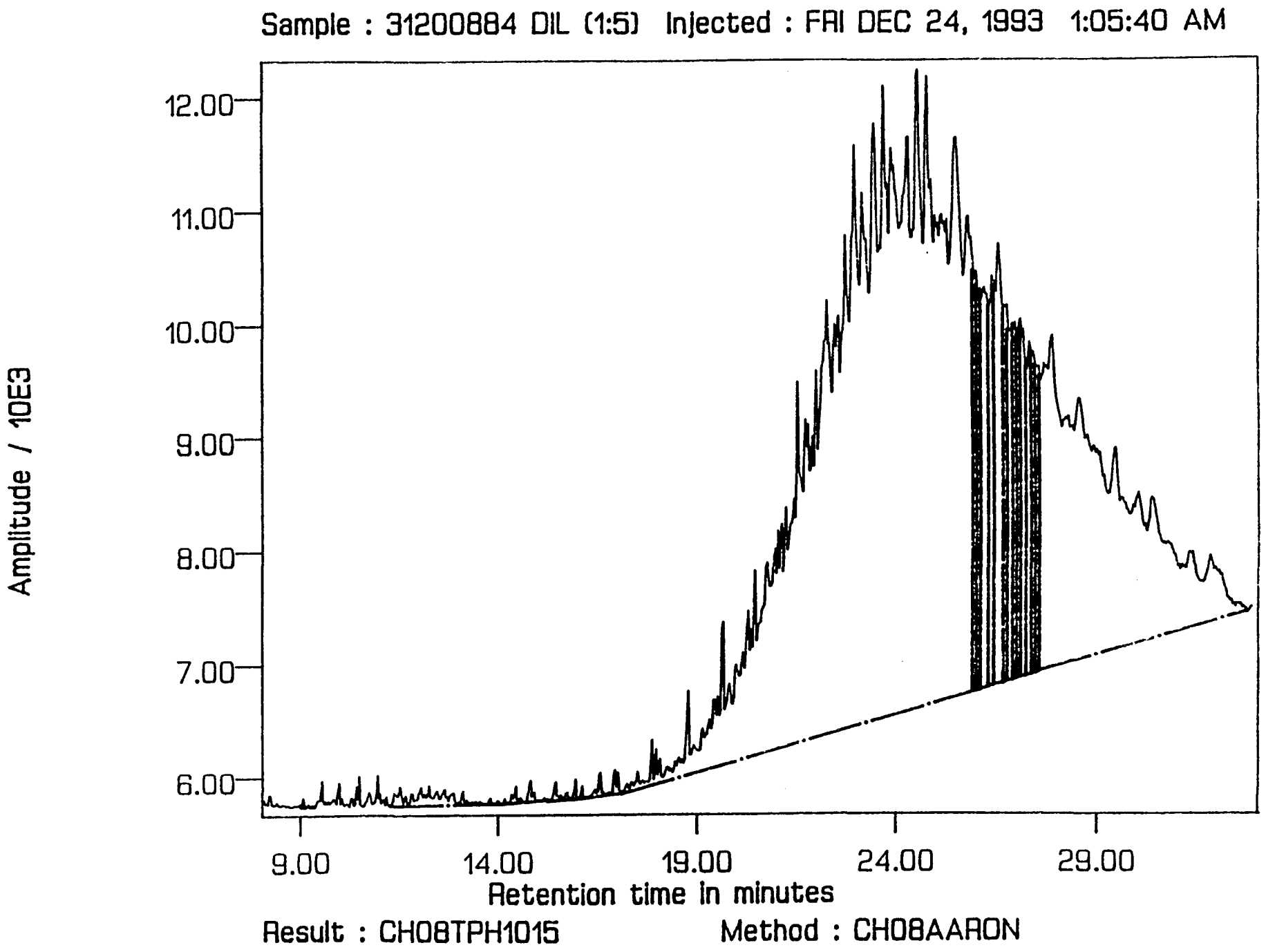
5. All work performed by HES will be conducted in accordance with the HES Quality Assurance Program. Specific documentation requirements of the client for work performed by HES must be made known to HES prior to the start of the requested work.

6. Records of the raw data, reports, etc., will be maintained by HES in its data archives for a minimum of five (5) years unless otherwise specified by government regulations after the completion of the requested work. One (1) duplicate report will be made available free of charge for a period of one (1) year. HES reserves the right to charge for copies made after one (1) year and to charge for any and all copies of raw data requested.

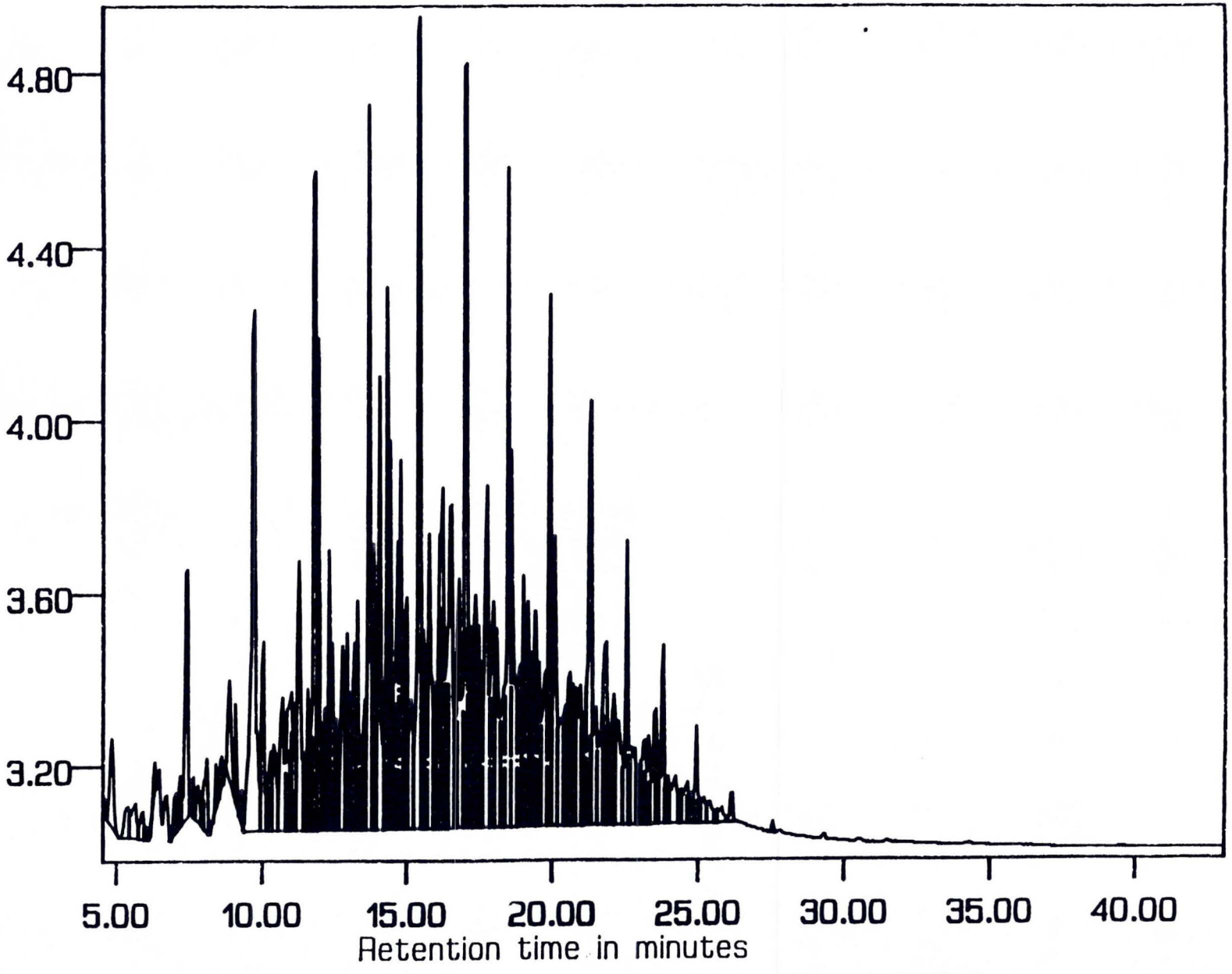
7. Raw data, chromatograms, calibration data, etc., are the sole property of HES. Copies will be made available upon request when the quality of the original document is such that duplication is possible.

8. Clients and/or their agents may, with prior notice, inspect/audit the records, facilities, etc., of HES pertinent to their study. All data not pertinent to the specific study is confidential and will not be made available.

9. Routine inquiry concerning work performed by HES should be made to the Client Service Center. The client is also encouraged to bring any concerns or questions to the attention of management, technical staff, or the facility Quality Assurance Unit.

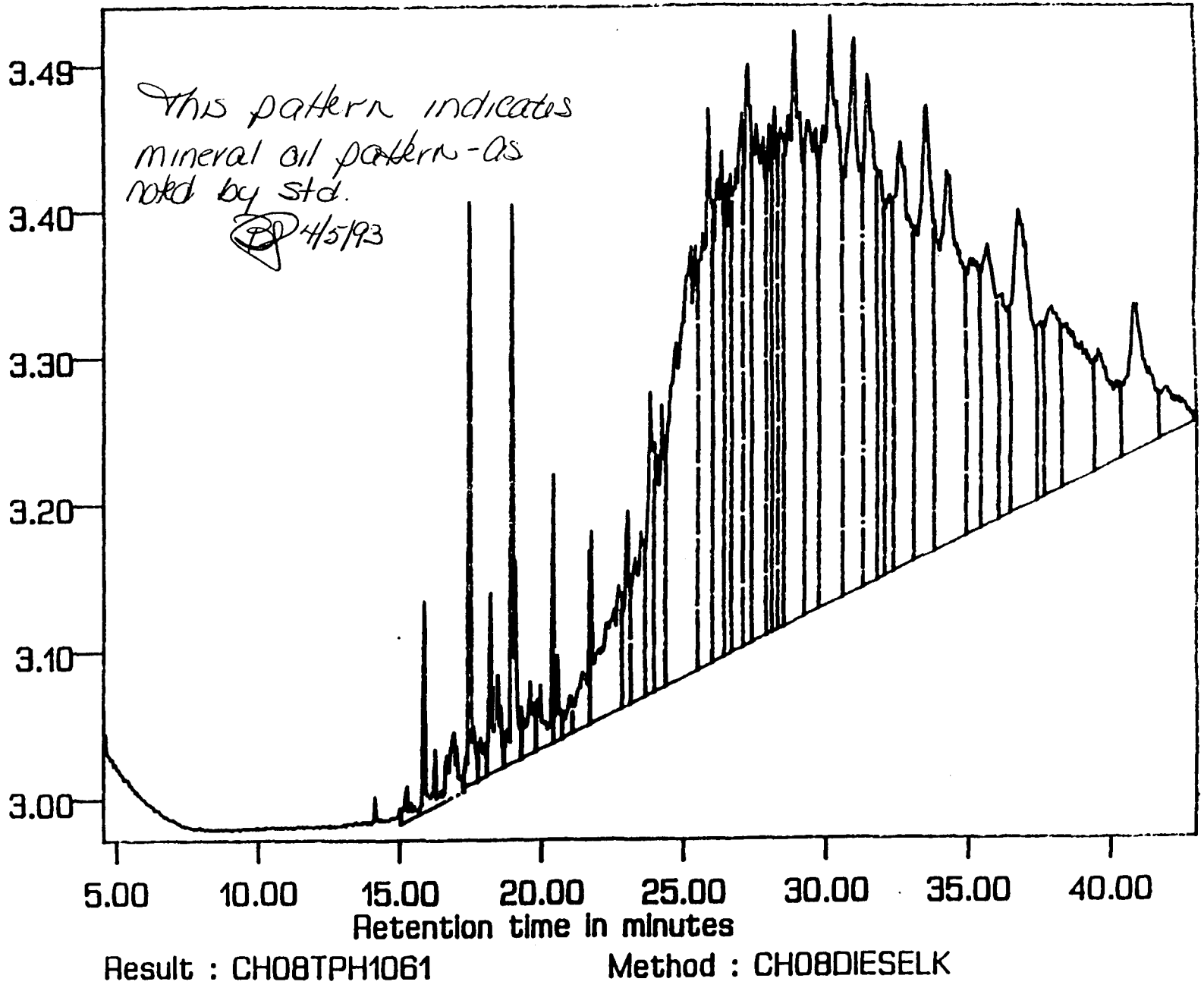

Sample : 31200884 DIL (1:5) Injected : FRI DEC 24, 1993 1:05:40 AM
12.00
11.00
10.00
9.00
8.00
7.00
6.00
Amplitude / 10E3
9.00
14.00
19.00
24.00
29.00
Retention time in minutes
Result : CH08TPH1015
Method : CH08AARON

Sample : 1000 PPM DIESEL STD Injected : SAT NOV 7, 1992 7:32:13 AM



Result : CH08TPH2023 Method : CH08DIESEL3

Sample : 1000 PPM STD Injected : WED DEC 9, 1992 3:13:21 PM



Result : CH08TPH1061 Method : CH08DIESELK

PETROLEUM VOLATILE ORGANICS
SOIL ANALYSIS DATA SHEET

HES ID: 31200884
CLIENT ID: STOCKPILE
DATE SAMPLED: 12/15/93
DATE RECEIVED: 12/17/93
DATE ANALYZED: 12/24/93

COMPOUND	AVERAGE Rf	PEAK AREA	CONC ppb	DILUTION FACTOR	FINAL RESULT ppb	MDL ppb	REPORT CONC. ppb	% SURR RECVD
METHYL-TERT-BUTYL ETHER (1)	1.619E-04	0	0.00	1	0.00	5.4	< MDL *	
BENZENE (2)	5.240E-05	0	0.00	1	0.00	1.1	< MDL	
TOLUENE (3)	5.581E-05	0	0.00	1	0.00	1.1	< MDL	
ETHYL BENZENE (4)	6.580E-05	0	0.00	1	0.00	1.1	< MDL	
META- & PARA-XYLENES (5)	4.907E-05	15841	0.78	1	0.83	2.1	< MDL	
ORTHO-XYLENE (6)	6.268E-05	140809	8.83	1	9.44	1.1	9.4	
*1,3,5-TRIMETHYL BENZENE (7)	4.630E-05	873610	40.45	1	43.28	1.1	43.3 → 43 *	
*1,2,4-TRIMETHYL BENZENE (8)	6.462E-05	170585	11.02	1	11.80	1.1	11.8 → 12 *	
FLUOROBENZENE (SURROGATE)	7.694E-05	225499	17.35	1	17.35			35
MOISTURE CORRESTION FACTOR	1.07							

* these compounds not BTXS compounds
Do not report DFW 10 Jan 94

PETROLEUM VOLATILE ORGANICS
SOIL ANALYSIS DATA SHEET

HES ID: 31200884
CLIENT ID: STOCKPILE
DATE SAMPLED: 12/15/93
DATE RECEIVED: 12/17/93
DATE ANALYZED: 12/27/93

COMPOUND	AVERAGE Rf	PEAK AREA	CONC ppb	DILUTION FACTOR	FINAL RESULT ppb	MDL ppb	REPORT CONC. ppb	% SURR RECVD
*METHYL-TERT-BUTYL ETHER (1)	1.823E-04	0	0.00	1	0.00	5.4	< MDL *	
BENZENE (2)	5.938E-05	0	0.00	1	0.00	1.1	< MDL	
TOLUENE (3)	6.338E-05	0	0.00	1	0.00	1.1	< MDL	
ETHYL BENZENE (4)	7.465E-05	7517	0.56	1	0.60	1.1	< MDL	
META- & PARA-XYLENES (5)	5.568E-05	4342	0.24	1	0.26	2.1	< MDL	
ORTHO-XYLENE (6)	7.148E-05	133532	9.54	1	10.21	1.1	10.2 → 10	
*1,3,5-TRIMETHYL BENZENE (7)	5.239E-05	789541	41.37	1	44.26	1.1	44.3 → 44 *	
*1,2,4-TRIMETHYL BENZENE (8)	7.351E-05	176143	12.95	1	13.85	1.1	13.9 → 14 *	
FLUOROBENZENE (SURROGATE)	8.952E-05	263376	23.58	1	23.58			47
MOISTURE CORRESTION FACTOR	1.07							

* these compounds not ~~BTXE~~ BTXS compounds
Do NOT Report AFW 10 Jan 94

PETROLEUM VOLATILE ORGANICS
SOIL ANALYSIS DATA SHEET

HES ID: SOIL METHOD BLANK
CLIENT ID:
DATE SAMPLED:

DATE RECEIVED:
DATE ANALYZED: 12/27/93

COMPOUND	AVERAGE Rf	PEAK AREA	CONC ppb	DILUTION FACTOR	FINAL RESULT ppb	MDL ppb	REPORT CONC. ppb	% SURR RECVD
METHYL-TERT-BUTYL ETHER (1)	1.823E-04	0	0.00	1	0.00	5.0	< MDL	
BENZENE (2)	5.938E-05	0	0.00	1	0.00	1.0	< MDL	
TOLUENE (3)	6.338E-05	2480	0.16	1	0.16	1.0	< MDL	
ETHYL BENZENE (4)	7.465E-05	619	0.05	1	0.05	1.0	< MDL	
META- & PARA-XYLENES (5)	5.568E-05	1512	0.08	1	0.08	2.0	< MDL	
ORTHO-XYLENE (6)	7.148E-05	0	0.00	1	0.00	1.0	< MDL	
1,3,5-TRIMETHYL BENZENE (7)	5.239E-05	0	0.00	1	0.00	1.0	< MDL	
1,2,4-TRIMETHYL BENZENE (8)	7.351E-05	0	0.00	1	0.00	1.0	< MDL	
NAPHTHALENE	1.138E-04	1248	0.14	1	0.14	1.0	< MDL	
FLUOROBENZENE (SURROGATE)	8.952E-05	497795	44.56	1	44.56			89
MOISTURE CORRESTION FACTOR	1.00							

PETROLEUM VOLATILE ORGANICS
SPIKE ANALYSIS DATA SHEET

HES ID: SOIL CONTROL SPIKE
CLIENT ID:
DATE SAMPLED:
DATE RECEIVED:
DATE ANALYZED: 12/27/93

COMPOUND	AVERAGE Rf	PEAK AREA	CONC ppb	DILUTION FACTOR	FINAL RESULT ppb	MDL ppb	CONC SPIKED ppb	% RECVD
METHYL-TERT-BUTYL ETHER (1)	1.823E-04	48220	8.79	1	8.79	5.0	10.00	88
BENZENE (2)	5.938E-05	166571	9.89	1	9.89	1.0	10.00	99
TOLUENE (3)	6.338E-05	163160	10.34	1	10.34	1.0	10.00	103
ETHYL BENZENE (4)	7.465E-05	128450	9.59	1	9.59	1.0	10.00	96
META- & PARA-XYLENES (5)	5.568E-05	347793	19.37	1	19.37	2.0	20.00	97
ORTHO-XYLENE (6)	7.148E-05	135970	9.72	1	9.72	1.0	10.00	97
1,3,5-TRIMETHYL BENZENE (7)	5.239E-05	177189	9.28	1	9.28	1.0	10.00	93
1,2,4-TRIMETHYL BENZENE (8)	7.351E-05	128169	9.42	1	9.42	1.0	10.00	94
NAPHTHALENE	1.138E-04	72907	8.29	1	8.29	1.0	10.00	83
FLUOROBENZENE (SURROGATE)	8.952E-05	519313	46.49	1	46.49		50.00	93

PETROLEUM VOLATILE ORGANICS
SPIKE ANALYSIS DATA SHEET

HES ID: SOIL CONTROL SPIKE DUP
CLIENT ID:
DATE SAMPLED:
DATE RECEIVED:
DATE ANALYZED: 12/27/93

COMPOUND	AVERAGE Rf	PEAK AREA	CONC ppb	DILUTION FACTOR	FINAL RESULT ppb	MDL ppb	CONC SPIKED ppb	% RECVD
METHYL-TERT-BUTYL ETHER (1)	1.823E-04	47282	8.62	1	8.62	5.0	10.00	86
BENZENE (2)	5.938E-05	167222	9.93	1	9.93	1.0	10.00	99
TOLUENE (3)	6.338E-05	166330	10.54	1	10.54	1.0	10.00	105
ETHYL BENZENE (4)	7.465E-05	129643	9.68	1	9.68	1.0	10.00	97
META- & PARA-XYLENES (5)	5.568E-05	351870	19.59	1	19.59	2.0	20.00	98
ORTHO-XYLENE (6)	7.148E-05	134414	9.61	1	9.61	1.0	10.00	96
1,3,5-TRIMETHYL BENZENE (7)	5.239E-05	175038	9.17	1	9.17	1.0	10.00	92
1,2,4-TRIMETHYL BENZENE (8)	7.351E-05	127652	9.38	1	9.38	1.0	10.00	94
FLUOROBENZENE (SURROGATE)	8.952E-05	510346	45.68	1	45.68		50.00	91

Chain of Custody Record and Analysis Request

Hazleton Environmental Services, Inc.

525 Science Drive
Madison, Wisconsin 53711
Telephone 608-242-2712 ext. 2066
Facsimile 608-233-0502

Enclose with samples and send to:
HES, Inc.
Attn: Sample Entry
515 Science Drive, Madison, Wisconsin 53711

For HES use only
Condition: Cold
Acct. #: 42710
Storage: WIF
Abbrev.: STS
Smpl Rec'd: DEC 17 1993
Init.: KAB
Date Entered: 12.17.93
LIMS #: 31200884-0888

Company Name and Address (Please Type or Print)
STS Consultants
1035 Kepler Dr
GB, WI 54311

Project No.: 20499XF
Project Name: GB Post Office
Samplers (signature): Paul Gauvey

Name of Submitter: Pat McCarey
Phone No.: 414-468-1978
Send Reports To: Pat McCarey
Send Invoice To: Pat McCarey
Date Sent: 12-16-93
Purchase Order No.:

Sample Code	Date	Time	Matrix[1]	Sample Description[2]	Number of Containers	Analysis Requested: DRO	GRO	Waste Characterization: Free Liquids	PCB	Cal. Cu	Flash Point	BTEX	Remarks
31200884	12-15	11:00		Stock Pile	7	X	X		X	X	X	X	
31200885	12-15			B-3A S4 7.5-9'	3	X							
31200886	12-15			B-4 S-3 5-7.5'	3	X							
31200887	12-14			B-1 S-3 5-6.5	3		X						
31200888	12-14			B-2 S-3 5-6.5	3		X						

I hereby certify that I received, properly handled, and disposed of these samples as noted above:

Relinquished By (Signature)	Date/Time	Received By (Signature)
Paul Gauvey	12-16-93 8:AM	
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time 12.17.93	Received By (Signature) FEDEX Kristie Bowman

Remarks (HES use only)
Samples rec'd on ice and in good condition. KAB 12.17.93

1 Specify groundwater, surface water, soil, leachate, sludge, etc.
2 Sample description must clearly correlate the sample ID to the sampling location.

WHITE - Executed Copy YELLOW - HES Copy PINK Client Original

1/93

Hazleton
Environmental
Services, Inc.
525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

January 13, 1994

Paul Blindauer
STS Consultants, Ltd.
1035 Kepler Drive
Green Bay, WI 54311

Re: STS Project No. 20499XF
HES, Inc. Batch No. 31201341

Dear Mr. Blindauer:

Enclosed are the analytical results for the water sample received by HES, Inc. on December 30, 1993 (HES sample number 31201341), associated with STS Project No. 20499XF. The original Chain-of-Custody is included with this report, as well as the associated QC reports.

Case Notes:

* Methylene chloride was found in the method blank, control spike, and control spike duplicate at concentrations of 1.4-1.6 ug/L. These levels are consistent with acceptable laboratory background contamination.

If you have any questions regarding these results, or if I can be of assistance in any way, please call me at (608) 232-3335.

Sincerely,

Peggy Popp
Account Executive

Wisconsin Laboratory Certification Number: 113172950

cc: Central File

Hazleton
Environmental
Services, Inc.

525 SCIENCE DRIVE • MADISON, WISCONSIN 53711

HES, Inc.

STS CONSULTANTS, LTD.

PROJECT NUMBER 20499XF
LIMS BATCH NUMBER 31201341

	ORGANIC			INORGANIC		
				QC BATCH[2]		
HOLDING TIMES. All holding times meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
INITIAL and CONTINUING CALIBRATIONS. All initial and continuing calibrations meet QC criteria.	(YES)	NO*	NA	YES	NO*	NA
METHOD BLANKS. All method blanks meet the specified QC criteria.	YES	(NO*)	NA	YES	NO*	NA
SURROGATE RECOVERIES. All surrogate recoveries meet QC criteria.	(YES)	NO*	NA		NA	
MATRIX SPIKE/MATRIX SPIKE DUPLICATE[1]. All MS/MSD meet QC criteria.	YES	NO*	(NA)	YES	NO*	NA
DUPLICATE. All relative percent differences (%RPD) meet QC criteria.		(NA)		YES	NO*	NA
CONTROL SPIKE/CONTROL SPIKE DUPLICATE. All CS meet QC criteria.	(YES)	NO*	NA		NA	
LABORATORY CONTROL SAMPLE. All LCS meet QC criteria.		(NA)		YES	NO*	NA

Dawn Wheeler

Dawn Wheeler

John Walton

I certify that this data is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above.

(For Amy Austin)
QA Supervisor

AUDITED (NONAUDITED)

* If circled, see attached for explanation of deviation.
[1] Matrix Spike for inorganic analysis.
[2] Refers to Matrix Spike and Duplicate.
NA = Not Applicable.

Hazleton Environmental Services, Inc.

REPORT OF ANALYSIS

PAT MCCAREY
STS CONSULTANTS, LTD
1035 KEPLER DRIVE
GREEN BAY, WI 54311

SAMPLE NUMBER: 31201341
DATE ENTERED: 12/30/93
REPORT PRINTED: 01/13/94

WATER: MW-1; 12/29; 1:30
PROJECT NAME: US POST OFFICE

PURCHASE ORDER NUMBER: 20499XF

GC VOLATILES (FULL SCREEN)

PARAMETER	DILUTION FACTOR	METHOD DETECTION LIMIT	CONC UG/L
DICHLORODIFLUOROMETHANE	1	2.0	< 2.0
CHLOROMETHANE	1	2.0	< 2.0
VINYL CHLORIDE	1	2.0	< 2.0
BROMOMETHANE	1	2.0	< 2.0
CHLOROETHANE	1	2.0	< 2.0
TRICHLOROFLUOROMETHANE	1	2.0	< 2.0
1,1-DICHLOROETHENE	1	1.0	< 1.0
METHYLENE CHLORIDE	1	1.0	8.0 B(1.4)
TRANS-1,2-DICHLOROETHENE	1	1.0	< 1.0
1,1-DICHLOROETHANE	1	1.0	< 1.0
2,2 DICHLOROPROPANE	1	1.0	< 1.0
CIS-1,2-DICHLOROETHENE	1	1.0	< 1.0
CHLOROFORM	1	1.0	< 1.0
BROMOCHLOROMETHANE	1	1.0	< 1.0
1,1,1-TRICHLOROETHANE	1	1.0	< 1.0
1,1 DICHLOROPROPENE	1	1.0	< 1.0
CARBON TETRACHLORIDE	1	1.0	< 1.0
1,2-DICHLOROETHANE	1	1.0	< 1.0
TRICHLOROETHENE	1	1.0	< 1.0
1,2-DICHLOROPROPANE	1	1.0	< 1.0
BROMODICHLOROMETHANE	1	1.0	< 1.0
DIBROMOMETHANE	1	1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	1	1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	1	1.0	< 1.0
1,1,2-TRICHLOROETHANE	1	1.0	< 1.0
1,3 DICHLOROPROPANE	1	1.0	< 1.0
DIBROMOCHLOROMETHANE	1	1.0	< 1.0
1,2-DIBROMOETHANE	1	1.0	< 1.0
CHLOROBENZENE	1	1.0	< 1.0
1,1,1,2 TETRACHLOROETHANE	1	1.0	< 1.0

ATER: MW-1; 12/29; 1:30
PROJECT NAME: US POST OFFICE

C VOLATILES (FULL SCREEN) (CONTINUED)

BROMOFORM	1	1.0	<	1.0
1,1,2,2, TETRACHLOROETHANE	1	1.0	<	1.0
1,2,3, TRICHLOROPROPANE	1	1.0	<	1.0
BROMOBENZENE	1	1.0	<	1.0
2-CHLOROTOLUENE	1	1.0	<	1.0
4-CHLOROTOLUENE	1	1.0	<	1.0
1,3-DICHLOROBENZENE	1	1.0	<	1.0
1,4-DICHLOROBENZENE	1	1.0	<	1.0
1,2-DICHLOROBENZENE	1	1.0	<	1.0
1,2-DIBROMO-3-CHLOROPROPANE	1	1.0	<	1.0
1,2,4-TRICHLOROBENZENE	1	1.0	<	1.0
HEXACHLOROBUTADIENE	1	1.0	<	1.0
1,2,3-TRICHLOROBENZENE	1	1.0	<	1.0
METHYL-TERT-BUTYL ETHER	1	5.0	<	5.0
ISOPROPYL ETHER	1	5.0	<	5.0
BENZENE	1	1.0	<	1.0
TOLUENE	1	1.0	<	1.0
TETRACHLOROETHENE	1	1.0	<	1.0
ETHYLBENZENE	1	1.0	<	1.0
META & PARA XYLENE	1	2.0	<	2.0
ORTHO-XYLENE	1	1.0	<	1.0
STYRENE	1	1.0	<	1.0
ISOPROPYLBENZENE	1	1.0	<	1.0
N-PROPYLBENZENE	1	1.0	<	1.0
1,3,5-TRIMETHYLBENZENE	1	1.0	<	1.0
TERT-BUTYLBENZENE	1	1.0	<	1.0
1,2,4-TRIMETHYLBENZENE	1	1.0	<	1.0
SEC-BUTYLBENZENE	1	1.0	<	1.0
P-ISOPROPYLTOLUENE	1	1.0	<	1.0
N-BUTYLBENZENE	1	1.0	<	1.0
NAPHTHALENE	1	1.0	<	1.0

1,4-DICHLOROBUTANE (SURROGATE-HALL)	85.4	% RECOVERED
FLUOROBENZENE (SURROGATE-PID)	95.8	% RECOVERED

ATE RECEIVED 12/30/93
ATE ANALYZED 01/10/94
'B' INDICATES THE ANALYTE WAS FOUND IN THE BLANK AS WELL AS THE SAMPLE CONCENTRATION SHOWN IN PARENTHESIS WAS DETECTED IN METHOD BLANK.

I DNR LAB CERTIFICATION #: 113172950

ISCONSIN DNR CERTIFICATION NUMBER: 113172950

WATER: MW-1; 12/29; 1:30
PROJECT NAME: US POST OFFICE

WI DNR LAB CERTIFICATION #: 113172950 (CONTINUED)

SIGNED Dawn Wheeler
DAWN WHEELER
SUPERVISOR, GENERAL ORGANICS

METHOD REFERENCES

VOC VOLATILES (FULL SCREEN)
EPA SW-846 METHOD 8021: "VOLATILE ORGANIC COMPOUNDS IN WATER BY PURGE AND TRAP CAPILLARY COLUMN GAS CHROMATOGRAPHY WITH PHOTOIONIZATION AND ELECTROLYTIC CONDUCTIVITY DETECTORS IN SERIES."
REV 0, DECEMBER 1987.

WI DNR LAB CERTIFICATION #: 113172950
SIGNATURE BLOCK FOR LUST REQUIREMENT.

CLIENT:
CLIENT ID:
HES ID#: METHOD BLANK
DATE ANALYZED: 1/10/94
DATE SAMPLED:
DATE RECEIVED:

SAMPLE CONCENTRATIONS
HALL DETECTOR

COMPOUND (HALL DETECTOR)	PEAK AREA	AVERAGE RESPONSE FACTOR	DILUTION FACTOR	CONC. (PPB)	METHOD DETECTION LIMIT (PPB)	REPORTED CONC. (PPB)		SURROGATE RECOVERY %
DICHLORODIFLUOROMETHANE	0	1.49E-05	1	0.0	2.0	< MDL		
CHLOROMETHANE	0	1.33E-05	1	0.0	2.0	< MDL		
VINYL CHLORIDE	0	1.46E-05	1	0.0	2.0	< MDL		
BROMOMETHANE	0	3.56E-05	1	0.0	2.0	< MDL		
CHLOROETHANE	0	1.49E-05	1	0.0	2.0	< MDL		
TRICHLOROFLUOROMETHANE	0	1.03E-05	1	0.0	2.0	< MDL		
1,1-DICHLOROETHENE	0	1.21E-05	1	0.0	1.0	< MDL		
METHYLENE CHLORIDE	161140	8.73E-06	1	1.4	1.0	1.4	B(00)	
TRANS-1,2-DICHLOROETHENE	0	1.09E-05	1	0.0	1.0	< MDL		
1,1-DICHLOROETHANE	0	1.10E-05	1	0.0	1.0	< MDL		
2,2-DICHLOROPROPANE	0	1.44E-05	1	0.0	1.0	< MDL		
CIS-1,2-DICHLOROETHENE	0	9.99E-06	1	0.0	1.0	< MDL		
CHLOROFORM	0	8.26E-06	1	0.0	1.0	< MDL		
BROMOCHLOROMETHANE	0	1.05E-05	1	0.0	1.0	< MDL		
1,1,1-TRICHLOROETHANE	0	6.43E-06	1	0.0	1.0	< MDL		
1,1-DICHLOROPROPENE	0	8.89E-06	1	0.0	1.0	< MDL		
CARBON TETRACHLORIDE	0	5.39E-06	1	0.0	1.0	< MDL		
1,2-DICHLOROETHANE	0	7.27E-06	1	0.0	1.0	< MDL		
TRICHLOROETHENE	0	6.35E-06	1	0.0	1.0	< MDL		
1,2-DICHLOROPROPANE	0	7.37E-06	1	0.0	1.0	< MDL		
BROMODICHLOROMETHANE	0	~~8.00E-06~~ 7.12E-06	1	0.0	1.0	< MDL		
DIBROMOMETHANE	0	1.14E-05	1	0.0	1.0	< MDL		
CIS 1,3-DICHLOROPROPENE	0	8.34E-06	1	0.0	1.0	< MDL		
TRANS 1,3-DICHLOROPROPENE	0	9.31E-06	1	0.0	1.0	< MDL		
1,1,2-TRICHLOROETHANE	0	7.07E-06	1	0.0	1.0	< MDL		
1,3-DICHLOROPROPANE	0	8.05E-06	1	0.0	1.0	< MDL		
DIBROMOCHLOROMETHANE	0	1.04E-05	1	0.0	1.0	< MDL		
1,2-DIBROMOETHANE	0	1.50E-05	1	0.0	1.0	< MDL		
CHLOROBENZENE	0	1.81E-05	1	0.0	1.0	< MDL		
1,1,1,2-TETRACHLOROETHANE	0	5.51E-06	1	0.0	1.0	< MDL		
BROMOFORM	0	1.76E-05	1	0.0	1.0	< MDL		
1,1,2,2-TETRACHLOROETHANE	0	9.19E-06	1	0.0	1.0	< MDL		
1,2,3-TRICHLOROPROPANE	0	1.22E-05	1	0.0	1.0	< MDL		
BROMOBENZENE	0	2.08E-05	1	0.0	1.0	< MDL		
2-CHLOROTOLUENE	0	1.80E-05	1	0.0	1.0	< MDL		
4-CHLOROTOLUENE	0	1.48E-05	1	0.0	1.0	< MDL		
1,3-DICHLOROBENZENE	0	1.06E-05	1	0.0	1.0	< MDL		
1,4-DICHLOROBENZENE	0	9.95E-06	1	0.0	1.0	< MDL		
1,2-DICHLOROBENZENE	0	1.02E-05	1	0.0	1.0	< MDL		
1,2-DIBROMO-3-CHLOROPROPANE	0	3.72E-05	1	0.0	1.0	< MDL		
1,2,4-TRICHLOROBENZENE	0	1.02E-05	1	0.0	1.0	< MDL		
HEXACHLOROBUTADIENE	0	7.01E-06	1	0.0	1.0	< MDL		
1,2,3-TRICHLOROBENZENE	0	9.68E-06	1	0.0	1.0	< MDL		
1,4-DICHLOROBUTANE (SURROGATE)	1611407	9.81E-06	1	15.8				79.1%

B(00) INDICATES THAT METHYLENE CHLORIDE WAS FOUND IN THE METHOD BLANK. THE NUMBER IN THE PARENTHESIS IS THE CONCENTRATION OF METHYLENE CHLORIDE (IN UNITS OF ug/L) IN THE METHOD BLANK.

D = Entry Error
1/12/94 omw

SAMPLE CONCENTRATIONS
PID DETECTOR

CLIENT:
CLIENT ID:
HES ID#: METHOD BLANK
DATE ANALYZED: 1/10/94
DATE SAMPLED:
DATE RECEIVED:

COMPOUND (PID DETECTOR)	PEAK AREA	AVERAGE RESPONSE FACTOR	DILUTION FACTOR	CONC. (PPB)	METHOD DETECTION LIMIT (PPB)	REPORTED CONC.(PPB)	SURROGATE RECOVERY %
METHYL-TERT-BUTYL-ETHER	0	8.94E-05	1	0.0	5.0	< MDL	
ISOPROPYL ETHER	0	7.21E-05	1	0.0	5.0	< MDL	
BENZENE	0	1.91E-05	1	0.0	1.0	< MDL	
TOLUENE	0	2.04E-05	1	0.0	1.0	< MDL	
TETRACHLOROETHENE	0	4.64E-05	1	0.0	1.0	< MDL	
ETHYLBENZENE	0	2.52E-05	1	0.0	1.0	< MDL	
META- & PARA-XYLENE	0	2.20E-05	1	0.0	2.0	< MDL	
ORTHO-XYLENE	0	2.36E-05	1	0.0	1.0	< MDL	
STYRENE	0	1.88E-05	1	0.0	1.0	< MDL	
ISOPROPYLBENZENE	0	2.80E-05	1	0.0	1.0	< MDL	
N-PROPYLBENZENE	0	2.51E-05	1	0.0	1.0	< MDL	
1,3,5-TRIMETHYLBENZENE	0	1.83E-05	1	0.0	1.0	< MDL	
TERT-BUTYLBENZENE	0	3.08E-05	1	0.0	1.0	< MDL	
1,2,4-TRIMETHYLBENZENE	0	2.28E-05	1	0.0	1.0	< MDL	
SEC-BUTYLBENZENE	0	2.90E-05	1	0.0	1.0	< MDL	
P-ISOPROPYLTOLUENE	0	2.91E-05	1	0.0	1.0	< MDL	
N-BUTYLBENZENE	0	2.74E-05	1	0.0	1.0	< MDL	
NAPHTHALENE	0	2.52E-05	1	0.0	1.0	< MDL	
FLUOROBENZENE	647394	3.01E-05	1	19.5			97.3%

CLIENT:
CLIENT ID:
HES ID# : 20 PPB C. SPIKE
DATE ANALYZED: 1/10/94

CONTROL SPIKE RECOVERY
HALL DETECTOR

COMPOUND (HALL DETECTOR)	PEAK AREA	AVG. RF	SPIKED CONC. (PPB)	CONC. RECOVERED (PPB)	% RECOVERED	SURROGATE RECOVERY %
DICHLORODIFLUOROMETHANE	0	1.49E-05	0	0.0	****	
CHLOROMETHANE	0	1.33E-05	0	0.0	****	
VINYL CHLORIDE	0	1.46E-05	0	0.0	****	
BROMOMETHANE	0	3.56E-05	0	0.0	****	
CHLOROETHANE	0	1.49E-05	0	0.0	****	
TRICHLOROFLUOROMETHANE	0	1.03E-05	0	0.0	****	
1,1-DICHLOROETHENE	1583716	1.21E-05	20	19.1	95.4%	
METHYLENE CHLORIDE	169374	8.73E-06	0	1.5		
TRANS-1,2-DICHLOROETHENE	0	1.09E-05	0	0.0	****	
1,1-DICHLOROETHANE	0	1.10E-05	0	0.0	****	
2,2-DICHLOROPROPANE	0	1.44E-05	0	0.0	****	
CIS-1,2-DICHLOROETHENE	0	9.99E-06	0	0.0	****	
CHLOROFORM	0	8.26E-06	0	0.0	****	
BROMOCHLOROMETHANE	0	1.05E-05	0	0.0	****	
1,1,1-TRICHLOROETHANE	3076588	6.43E-06	20	19.8	98.9%	
1,1-DICHOROPROPENE	0	8.89E-06	0	0.0	****	
CARBON TETRACHLORIDE	0	5.39E-06	0	0.0	****	
1,2-DICHLOROETHANE	0	7.27E-06	0	0.0	****	
TRICHLOROETHENE	0	6.35E-06	0	0.0	****	
1,2-DICHLOROPROPANE	0	7.37E-06	0	0.0	****	
BROMODICHLOROMETHANE	0	~~8.00E-06~~ 7.96E-06@	0	0.0	****	
DIBROMOMETHANE	0	1.14E-05	0	0.0	****	
CIS 1,3-DICHLOROPROPENE	0	8.34E-06	0	0.0	****	
TRANS 1,3-DICHLOROPROPENE	0	9.31E-06	0	0.0	****	
1,1,2-TRICHLOROETHANE	0	7.07E-06	0	0.0	****	
TETRACHLOROETHENE / 1,3-DCPA	0	8.05E-06	0	0.0	****	
DIBROMOCHLOROMETHANE	0	1.04E-05	0	0.0	****	
1,2-DIBROMOETHANE	0	1.50E-05	0	0.0	****	
CHLOROBENZENE	0	1.81E-05	0	0.0	****	
1,1,1,2-TETRACHLOROETHANE	0	5.51E-06	0	0.0	****	
BROMOFORM	0	1.76E-05	0	0.0	****	
1,1,2,2-TETRACHLOROETHANE	0	9.19E-06	0	0.0	****	
1,2,3-TRICHLOROPROPANE	0	1.22E-05	0	0.0	****	
BROMOBENZENE	0	2.08E-05	0	0.0	****	
2-CHLOROTOLUENE	1173766	1.80E-05	20	21.1	105.4%	
4-CHLOROTOLUENE	0	1.48E-05	0	0.0	****	
1,3-DICHLOROBENZENE	0	1.06E-05	0	0.0	****	
1,4-DICHLOROBENZENE	0	9.95E-06	0	0.0	****	
1,2-DICHLOROBENZENE	0	1.02E-05	0	0.0	****	
1,2-DIBROMO-3-CHLOROPROPANE	0	3.72E-05	0	0.0	****	
1,2,4-TRICHLOROBENZENE	0	1.02E-05	0	0.0	****	
HEXACHLOROBUTADIENE	0	7.01E-06	0	0.0	****	
1,2,3-TRICHLOROBENZENE	0	9.68E-06	0	0.0	****	
1,4-DICHLOROBUTANE (SURROGATE)	1964019	9.81E-06	20	19.3		96.4%

@ = Entry Error

1/12/94 DMW

CONTROL SPIKE RECOVERY
PID DETECTOR

CLIENT:
CLIENT ID:
HES ID# : 20 PPB C. SPIKE
DATE ANALYZED: 1/10/94

COMPOUND (PID DETECTOR)	PEAK AREA	AVG. RF	SPIKED CONC. (PPB)	CONC. RECOVERED (PPB)	% RECOVERED	SURROGATE RECOVERY %
METHYL-TERT-BUTYL-ETHER	0	8.94E-05	0	0.0	****	
ISOPROPYL ETHER	0	7.21E-05	0	0.0	****	
BENZENE	1127093	1.91E-05	20	21.5	107.5%	
TOLUENE	1015736	2.04E-05	20	20.7	103.5%	
TETRACHLOROETHENE	0	4.64E-05	0	0.0	****	
ETHYLBENZENE	0	2.52E-05	0	0.0	****	
META- & PARA-XYLENE	0	2.20E-05	0	0.0	****	
ORTHO-XYLENE	0	2.36E-05	0	0.0	****	
STYRENE	0	1.88E-05	0	0.0	****	
ISOPROPYLBENZENE	0	2.80E-05	0	0.0	****	
N-PROPYLBENZENE	0	2.51E-05	0	0.0	****	
1,3,5-TRIMETHYLBENZENE	0	1.83E-05	0	0.0	****	
TERT-BUTYLBENZENE	0	3.08E-05	0	0.0	****	
1,2,4-TRIMETHYLBENZENE	0	2.28E-05	0	0.0	****	
SEC-BUTYLBENZENE	0	2.90E-05	0	0.0	****	
P-ISOPROPYLTOLUENE	0	2.91E-05	0	0.0	****	
N-BUTYLBENZENE	0	2.74E-05	0	0.0	****	
NAPHTHALENE	859427	2.52E-05	20	21.6	108.2%	
FLUOROBENZENE	685428	3.01E-05	20	20.6		103.0%

CLIENT:
CLIENT ID:
HES ID# : 20 PPB C. SPIKE DUP
DATE ANALYZED: 1/10/94

CONTROL SPIKE RECOVERY
HALL DETECTOR

COMPOUND (HALL DETECTOR)	PEAK AREA	AVG. RF	SPIKED CONC. (PPB)	CONC. RECOVERED (PPB)	% RECOVERED	SURROGATE RECOVERY %
DICHLORODIFLUOROMETHANE	0	1.49E-05	0	0.0	****	
CHLOROMETHANE	0	1.33E-05	0	0.0	****	
VINYL CHLORIDE	0	1.46E-05	0	0.0	****	
BROMOMETHANE	0	3.56E-05	0	0.0	****	
CHLOROETHANE	0	1.49E-05	0	0.0	****	
TRICHLOROFLUOROMETHANE	0	1.03E-05	0	0.0	****	
1,1-DICHLOROETHENE	1622109	1.21E-05	20	19.5	97.7%	
METHYLENE CHLORIDE	180160	8.73E-06	0	1.6		
TRANS-1,2-DICHLOROETHENE	0	1.09E-05	0	0.0	****	
1,1-DICHLOROETHANE	0	1.10E-05	0	0.0	****	
2,2-DICHLOROPROPANE	0	1.44E-05	0	0.0	****	
CIS-1,2-DICHLOROETHENE	0	9.99E-06	0	0.0	****	
CHLOROFORM	0	8.26E-06	0	0.0	****	
BROMOCHLOROMETHANE	0	1.05E-05	0	0.0	****	
1,1,1-TRICHLOROETHANE	2932000	6.43E-06	20	18.9	94.3%	
1,1-DICHOROPROPENE	0	8.89E-06	0	0.0	****	
CARBON TETRACHLORIDE	0	5.39E-06	0	0.0	****	
1,2-DICHLOROETHANE	0	7.27E-06	0	0.0	****	
TRICHLOROETHENE	0	6.35E-06	0	0.0	****	
1,2-DICHLOROPROPANE	0	7.37E-06	0	0.0	****	
BROMODICHLOROMETHANE	0	~~8.00E-06~~ 7.91E-06 ⊘	0	0.0	****	
DIBROMOMETHANE	0	1.14E-05	0	0.0	****	
CIS 1,3-DICHLOROPROPENE	0	8.34E-06	0	0.0	****	
TRANS 1,3-DICHLOROPROPENE	0	9.31E-06	0	0.0	****	
1,1,2-TRICHLOROETHANE	0	7.07E-06	0	0.0	****	
TETRACHLOROETHENE / 1,3-DCPA	0	8.05E-06	0	0.0	****	
DIBROMOCHLOROMETHANE	0	1.04E-05	0	0.0	****	
1,2-DIBROMOETHANE	0	1.50E-05	0	0.0	****	
CHLOROBENZENE	0	1.81E-05	0	0.0	****	
1,1,1,2-TETRACHLOROETHANE	0	5.51E-06	0	0.0	****	
BROMOFORM	0	1.76E-05	0	0.0	****	
1,1,2,2-TETRACHLOROETHANE	0	9.19E-06	0	0.0	****	
1,2,3-TRICHLOROPROPANE	0	1.22E-05	0	0.0	****	
BROMOBENZENE	0	2.08E-05	0	0.0	****	
2-CHLOROTOLUENE	1205909	1.80E-05	20	21.7	108.3%	
4-CHLOROTOLUENE	0	1.48E-05	0	0.0	****	
1,3-DICHLOROBENZENE	0	1.06E-05	0	0.0	****	
1,4-DICHLOROBENZENE	0	9.95E-06	0	0.0	****	
1,2-DICHLOROBENZENE	0	1.02E-05	0	0.0	****	
1,2-DIBROMO-3-CHLOROPROPANE	0	3.72E-05	0	0.0	****	
1,2,4-TRICHLOROBENZENE	0	1.02E-05	0	0.0	****	
HEXACHLOROBUTADIENE	0	7.01E-06	0	0.0	****	
1,2,3-TRICHLOROBENZENE	0	9.68E-06	0	0.0	****	
1,4-DICHLOROBUTANE (SURROGATE)	1980518	9.81E-06	20	19.4		97.2%

⊘ = Entry Error
1/12/94 DMW

CONTROL SPIKE RECOVERY
PID DETECTOR

CLIENT:
CLIENT ID:
HES ID# : 20 PPB C. SPIKE DUP
DATE ANALYZED: 1/10/94

COMPOUND (PID DETECTOR)	PEAK AREA	AVG. RF	SPIKED CONC. (PPB)	CONC. RECOVERED (PPB)	% RECOVERED	SURROGATE RECOVERY %
METHYL-TERT-BUTYL-ETHER	0	8.94E-05	0	0.0	****	
ISOPROPYL ETHER	0	7.21E-05	0	0.0	****	
BENZENE	1137366	1.91E-05	20	21.7	108.4%	
TOLUENE	1029379	2.04E-05	20	21.0	104.9%	
TETRACHLOROETHENE	0	4.64E-05	0	0.0	****	
ETHYLBENZENE	0	2.52E-05	0	0.0	****	
META- & PARA-XYLENE	0	2.20E-05	0	0.0	****	
ORTHO-XYLENE	0	2.36E-05	0	0.0	****	
STYRENE	0	1.88E-05	0	0.0	****	
ISOPROPYLBENZENE	0	2.80E-05	0	0.0	****	
N-PROPYLBENZENE	0	2.51E-05	0	0.0	****	
1,3,5-TRIMETHYLBENZENE	0	1.83E-05	0	0.0	****	
TERT-BUTYLBENZENE	0	3.08E-05	0	0.0	****	
1,2,4-TRIMETHYLBENZENE	0	2.28E-05	0	0.0	****	
SEC-BUTYLBENZENE	0	2.90E-05	0	0.0	****	
P-ISOPROPYLTOLUENE	0	2.91E-05	0	0.0	****	
N-BUTYLBENZENE	0	2.74E-05	0	0.0	****	
NAPHTHALENE	874063	2.52E-05	20	22.0	110.0%	
FLUOROBENZENE	692784	3.01E-05	20	20.8		104.1%

Hazleton Environmental Services, Inc.

525 SCIENCE DRIVE
MADISON, WISCONSIN 53711
Telepone 608-242-2712 ext. 2066
Facsimile 608-233-0502

Company Name and Address

Phone No.	Name of Submitter
414-468 1978	PAT McCAREY
Send Invoice To	**Send Reports To**
STS	PAT McCAREY
Purchase Order No.	**Date Sent**
	12-29-93

Project No.	Project Name
20499XF	USPS - GB

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151 11-91

For HES Use Only

Condition Cold Page WJR
Acct. # 4320 Rev STSG
Sampled DEC 30 1993 T LMK
Received LMK
Date Entered 12-30-93
PO # 3120L341

Note: This form is required by the Department of Natural Resources for leaking underground storage tank sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code.

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Pat McCarey	STS Consultants	414-468-1978
Property Owner	**Property Address**	**Telephone Number (include area code)**
US Post Office	300 Packerland Dr	

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)
	12-30-93 1000	Lynn Kahler

Temperature of temperature blank: Rec'd on ice LMK 12-30-93

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote [2])	Analysis Type	Lab ID Number	No./Type of Containers	Sample Condition: Cracked /Broken	Sample Condition: Improperly Sealed	Sample Condition: Good Condition	Sample Condition: Other Comments
MW-1	12/29	1130	WATER		HCL	MW-1	VOC	3120134[illegible]	3				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

WHITE - Executed Copy YELLOW - HES Copy PINK - Client Original

SOIL SCREENING SUMMARY

CLIENT VSPS - Green Bay DATE 10-20

LOCATION Green Bay STS JOB # 20499XF

INSTRUMENT I.D. # FID PROBE ID # FID

CALIBRATION DATE 10-20-93 LAMP _____ eV SPAN SETTING _____

FACTORY _____ CAL. GAS _____

FIELD _____ TIME _____ CAL. GAS _____

BACKGROUND READING (PRE) _____ (POST) _____

BACKGROUND READING LOCATION _____

SAMPLE READING LOCATION _____

NOTE POSSIBLE INTERFERENCES _____

WEATHER CONDITIONS Cloudy 45° AMBIENT TEMP. _____ °F

SAMPLE EQUILIBRATION TEMP. _____ °F

SOIL BORING ID _____ OTHER _____

SAMPLE NO.	SAMPLING DEPTH	EQUIL. TIME (SEC)	HIGH STABLE READING	PEAK READING	TIME TO STABLE READING (SEC)	INT. SCALE	NOTES: *
S-1, 10-20	2½'			18			S E odor
S-2, 10-20	2½'			21			
S-3, 10-20	2½'			11000			Odor
S-4, 10-20	3½'			8			
S-5, 10-20	3½'			2			RETEST AFTER EXCAVATION BY SHOVEL (S-1)

COMMENTS: _____

OPERATOR: Pat McGraw REVIEWED BY: _____

* -INDICATE IF SUBSAMPLE OR DUPLICATE WAS SENT FOR LAB ANALYSIS
-RELATIVE SOIL MOISTURE
-SOIL TYPE
-ODOR

SOIL SCREENING SUMMARY

CLIENT USPS - Green Bay DATE 10-21-93

LOCATION Green Bay STS JOB # 20499XF

INSTRUMENT I.D. # FID PROBE ID # FID

CALIBRATION DATE 10-21-93 LAMP _____ eV SPAN SETTING _____

FACTORY _____ CAL. GAS _____

FIELD _____ TIME _____ CAL. GAS _____

BACKGROUND READING (PRE) _____ (POST) _____

BACKGROUND READING LOCATION _____

SAMPLE READING LOCATION _____

NOTE POSSIBLE INTERFERENCES _____

WEATHER CONDITIONS _____ AMBIENT TEMP. _____ °F

SAMPLE EQUILIBRATION TEMP. _____ °F

SOIL BORING ID _____ OTHER _____

SAMPLE NO.	SAMPLING DEPTH	EQUIL. TIME (SEC)	HIGH STABLE READING	PEAK READING	TIME TO STABLE READING (SEC)	INT. SCALE	NOTES: *
S-1, 10-21	2.5'			0			Below Product Line and Fittings
S-2, 10-21	7.5'			0			North End of Tank
S-3, 10-21	7.5'			0			South End of Tank
S-4, 10-21	7.5'			0			South End of Tank
S-5, 10-21	7.5'			0			North End of Tank
S-6, 10-21	7.5'			0			North End of Tank
S-7, 10-21	7.5'			10			South End of Tank
S-8, 10-21	1'			0.4			Oil Removal Port
S-9, 10-21	3'			95			Check Valve
S-10, 10-21	3'			4			Check Valve
S-11, 10-21	5'			0			Between Tanks
S-12, 10-21	3'			8			Southwest Corner

COMMENTS: _____

_____

OPERATOR: _____ REVIEWED BY: _____

* -INDICATE IF SUBSAMPLE OR DUPLICATE WAS SENT FOR LAB ANALYSIS
-RELATIVE SOIL MOISTURE
-SOIL TYPE
-ODOR

Phenco, inc.

ENVIRONMENTAL CONSTRUCTION

TANK DISPOSAL FORM

Winnebago County LAND FILL

Received from Phenco, Inc. agent for:

Project No. 0439

Name: United States Postal Service

Location: 300 Packerland Dr

Green Bay, Wi 54303

3 (500gal) Fiberglass

Tank (s) have been properly cleaned and rendered non-reusable for recycle or disposal.

Received by: Barb Wildeman

Date: 11-12-93

1907 American Drive, P.O. Box 280 * Neenah, Wisconsin 54957-0280
Phone 414/729-4305 * Fax 414/729-4306

SCHMITT PFEIFER BROS. CONSTRUCTION

RESCO
Remedial Environmental Services Co.
A Division of Waste Research & Reclamation Co., Inc.

ACCEPTED 11-18-93

PROFILE SHEET FOR UST PROGRAM

A. General Information EPA Number WIS180090560

Business Name (Tank owner) United States Postal Service
Site Address Green Bay Vehicle Maintenance Facility
City, State, Zip 300 Packerland Dr. Green Bay, WI 54303-4998

Contact Joe Stoll Phone (414) 498-3921

Contractor:
Name Phanco Inc
Address P.O. Box 280
City, State, Zip Neenah, WI 54956

Contact Paul Schmidt Phone (414) 729-2305

Bill to Generator ____ Contractor X

B. Underground Tank Size Capacity (Gal.) (3) 500 gal

Date tank was taken out of service 10-21-93
Material currently in tank - Unleaded gasoline ____
(Check one) Leaded gasoline ____
Diesel fuel ____
Heating oil #1, #2 ____
Heating oil #5, #6 ____
Waste oil motor X U9311064-106247
Other new oil motor X U9311055-106247

* Does the sludge contain PCB's? YES ____ NO X
Tank will be disposed of at WRR: YES ____ NO X
Transportation, of sludge, will be by:
Contractor ____
WRR X

Total gallons (projected) to be disposed of at WRR: 90 (3 drums)

Certification: I, the undersigned, the generator, or an employee of the generator, and having proper authority granted by the generator, hereby certify the information above is a true representation of the waste. I have examined and am familiar with the information submitted in this form. To the best of my knowledge it is true and correct, and that all known and suspected hazards have been disclosed.

Generator Signature Joseph E. Stoll Date 11/16/93

LABORATORY REPORT OF INCOMING MATERIALS FOR LOAD# 34940

SOURCE: PHENCO
GENERATOR: US POSTAL/GREEN BAY

Received 12/10/93 Report Date / /

EPA ID#

Each container of this load of waste material has been sampled and analyzed. From the test result, the waste materials are grouped according to their similarity in chemical nature as follows:

Group / Material Description	Containers	Mat Qty	Chemical Analysis & Notes	% Rec	Recy Qty	Disp Qty	Solid Qty	Est Recov
B WASTE OIL ID# U9311054B Waste Code: M061	49	1 Drm						
T WASTE OIL ID# U9311055 Waste Code: M061	46	1 Drm						

ESTIMATED RECOVERY: For a small batch of materials, the estimated recovery may be less than '% of Recovery' in the lab distillation. However, the waste charge is based on the % Rec (Recovery).

RECYCLABLE QUANTITY: The pumpable part of the spent material.

DISPOSAL QUANTITY: Solids, waste water, thick materials and chloro-flammable mixtures which cannot be recycled as a usable product.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service Vehicle Maintenance Facility		**MW-1**

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	**12/14/93**	**12/14/93**	**Hollow-Stem Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-1	Feet MSL	Feet MSL	**8.0** Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat o , "
Long o , "

Local Grid Location (If applicable)
Feet ☐ N ☐ S Feet ☐ E ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	**05**	**Green Bay**

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	18	31/1'		0.3 foot asphalt				<1						SS
2	18	28/1'	3.5	Base course				<1						SS
3	18	46/1'		Brown fine silty sand - trace of gravel - moist to wet at 8.0 feet - irregular silty clay to clayey silt seams - dense	SM			<1						SS
4	18	51/1'	7.0					<1						SS
5	18	54/1'	10.5	Brown silty clay - occasional sand seams - trace of gravel - stiff to hard	CL-ML			<1	4.5					SS/Qp
6	14	45/1'						<1	4.5					SS/Qp
7	12	49/1'	14.0					<1	4.0					SS/Qp
				End of Boring Boring advanced from 0 to 16.5 feet with hollow-stem auger Installed 2-inch Schedule 40 PVC monitoring well Surface elevation 98.27 feet (arbitrary datum) Water level 8.0 feet while sampling										

~~I hereby certify that~~ the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J. McCarey

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service Vehicle Maintenance Facility		**B-2**

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	**12/14/93**	**12/14/93**	**Solid-Stem Auger**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	**4.0** Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat o , "
Long o , "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	**05**	**Green Bay**

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	7	20/1'		0.3 foot asphalt				<1						SS
2	14	18/1'	3.5	Base course	SM			<1						SS
3	16	27/1'		Brown fine silty sand - trace of gravel - moist - medium dense to dense				<1						SS
4	14	55/1'	7.0	Brown silty clay to clayey silt - trace of gravel - moist - hard	CL-ML			<1						SS
5	14	33/1'	10.5	Brown fine silty sand - trace of gravel - wet - dense	SM			<1						SS
6	14	43/1'						<1						SS
7	12	12/6"	14.0					<1	4.5					SS/Qp

End of Boring
Boring advanced from 0 to 16.0 feet with solid-stem auger
Boring abandoned with bentonite holeplug
Surface elevation 98.79 feet (arbitrary datum)

~~I hereby certify that~~ the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J McCarthy

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

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State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service Vehicle Maintenance Facility		B-3A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	12/15/93	12/15/93	Solid-Stem Auger

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	4.0 Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat o , "
Long o , "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	05	Green Bay

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	12	16/1'		0.3 foot asphalt				<1						SS
2	18	10/1'	3.5	3/4 inch base course	SM			<1						SS
3	12	8/1'		Fill: Brown silty sand - moist - medium dense - pea gravel from 4.5 to 6.5 feet				<1						SS
4	13	63/1'	7.0	Brown silty sand - trace of gravel - moist - medium dense	SM			<1						SS
5	13	53/1'	10.5					<1						SS

End of Boring
Boring advanced from 0 to 11.5 feet with solid-stem auger
Boring abandoned with bentonite holeplug
Surface elevation 99.01 feet (arbitrary datum)
Water level 9.6 feet after boring

~~I hereby certify that~~ the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J. McCarty

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

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State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service Vehicle Maintenance Facility		B-3

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	12/14/93	12/14/93	Solid-Stem Auger

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	4.0 Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat o ' "
Long o ' "

Local Grid Location (If applicable)
☐ N Feet ☐ E
☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	05	Green Bay

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	12	20/1'		0.3 foot asphalt				1						SS
2	6	6/1'	3.5	3/4 inch crushed stone Fill: Sand and gravel - trace of brown fine silty sand	SM			2						SS
3	1	3/1'	7.0	Pea gravel				<1						SS
4	0	Bg.		Concrete slab End of Boring Boring advanced from 0 to 9.05 feet with hollow-stem auger Boring abandoned with bentonite holeplug Surface elevation 99.09 feet (arbitrary datum)										

~~I hereby certify that~~ the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J. McCarey

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

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State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☒ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
U.S. Postal Service Vehicle Maintenance Facility		B-4

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
STS Consultants, Ltd. - G. Ryczek - STS 20499XF	12/15/93	12/15/93	Solid-Stem Auger

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	4.0 Inches

Boring Location
State Plane N, E
1/4 of 1/4 of Section T N,R
Lat o , "
Long o , "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Brown	05	Green Bay

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	18	22/1'		0.3 foot asphalt				<1						SS
2	4	19/1'	3.5	3/4 inch base course - moist - medium dense				<1						SS
3	18	28/1'		Brown fine to medium silty sand - trace of gravel - moist - medium dense to dense	SM			<1						SS
4	18	49/1'	7.0					<1						SS
5	18	54/1'	10.5					<1						SS
				End of Boring Boring advanced from 0 to 11.5 feet with solid-stem auger Boring abandoned with bentonite holeplug Surface elevation 98.75 feet (arbitrary datum) Water level 8.0 feet while sampling										

~~I hereby certify that~~ the information on this form is true and correct to the best of my knowledge.

Signature: Patrick J. McCarty

Firm: STS Consultants, Ltd.
1035 Kepler Drive Green Bay, Wisconsin
Tel: 414-468-1978, Fax: 414-468-3312

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name: U.S.P.S. Vehicle Maintenance Facility	Local Grid Location of Well: _____ ft. ☐N ☐S, _____ ft. ☐E ☐W	Well Name: MW-1
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number / DNR Well Number: _____ / _____
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Date Well Installed: 12/14/93 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm): Gary Ryczek / STS Consultants, Ltd.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ __ _____

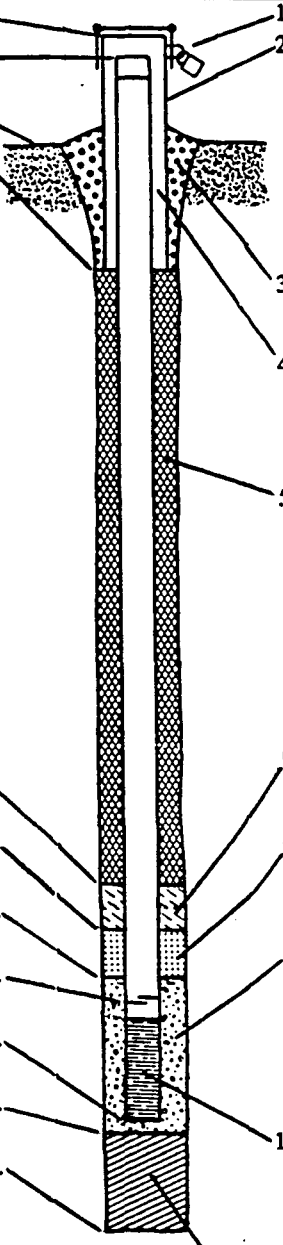
15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or 3 0 ft.
G. Filter pack, top _____ ft. MSL or 4 0 ft.
H. Screen joint, top _____ ft. MSL or 5 0 ft.
I. Well bottom _____ ft. MSL or 1 5 0 ft.
J. Filter pack, bottom _____ ft. MSL or 1 5 5 ft.
K. Borehole, bottom _____ ft. MSL or 1 5 5 ft.
L. Borehole, diameter 8 0 in.
M. O.D. well casing 2 3 5 in.
N. I.D. well casing 2 0 5 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04; Other ☐ __ _____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ __ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ __; Other ☐ __ _____
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. 0.8 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger 40/60 Silica Sand __
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger 40/60 Silica Sand __
b. Volume added 3.0 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ __ _____
10. Screen material: Schedule 40 PVC __
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ __ _____
b. Manufacturer Crestline/Northern Air
c. Slot size: 0.006 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ __ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Robert J. McGarry	STS Consultants, Ltd.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
U.S.P.S. Vehicle Maintenance Facility	Brown	MW-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well Number
_____	05	_____	_____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ___15 min.

4. Depth of well (from top of well casisng) __14.7 ft.

5. Inside diameter of well __2.0__ in.

6. Volume of water in filter pack and well casing ___5.5 gal.

7. Volume of water removed from well ___6.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___8.19 ft.	___14.50 ft.
Date	b. 12/29/93 (m m d d y y)	12/29/93 (m m d d y y)
Time	c. __1:15 ☐ a.m. ☒ p.m.	__1:30 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Additional comments on development:

Bailed dry twice.

Well developed by: Person's Name and Firm

Name: Patrick J. McCarey

Firm: STS Consultants, Ltd.

~~I hereby certify that~~ the above information is true and correct to the best of my knowledge.

Signature: Patrick J. McCarey

Print Initials: P J M

Firm: STS Consultants, Ltd.

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Brown

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

_____ Gov't Lot _____ Grid Number

Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 300 Packerland Dr.

City, Village: Green Bay, WI

(2) FACILITY NAME

Original Well Owner (If Known): United States Postal Service - Green Bay

Present Well Owner: United States Postal Service - Green Bay

Street or Route: 300 Packerland Dr.

City, State, Zip Code: Green Bay, WI 543

Facility Well No. and/or Name (If Applicable): 3-2

WI Unique Well No.: _____

Reason For Abandonment: Sample boring

Date of Abandonment: 12-14-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 12-14-93

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.16

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	/ NA

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☒ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of ~~Placing~~ Sealing Material

☒ ~~Conductor Pipe~~ Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	~~No.~~ Yards, Sacks, Sealant or Volume	Mix Ratio or Mud Weight
Holeplug	Surface	16.5	1.5	3/8

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work | Date Signed 12-15-93

Street or Route | Telephone Number ( )

City, State, Zip Code

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

BCG 12619

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-3

County: Brown

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable) ___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name: Green Bay

Street Address of Well: 300 Packerland Dr

City, Village: Green Bay

(2) FACILITY NAME

Original Well Owner (If Known): US Postal Service

Present Well Owner: U.S. Postal Service

Street or Route: 300 Packerland Dr

City, State, Zip Code: GB WI

Facility Well No. and/or Name (If Applicable): B-3

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Test Boring

Date of Abandonment: 12-14-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 12-14-93

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 9.0 (From groundsurface) Casing Diameter (ins.) N/A

Casing Depth (ft.) N/A

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? 9.0 Feet

(4) Depth to Water (Feet) —

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain ___

Was Casing Cut Off Below Surface?	☐ Yes	☒ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☒ No

(5) Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
3/4" Bentonite Chips	Surface	9.0	1	

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work
Gary Kynett / NJM

Signature of Person Doing Work	Date Signed 12-15
Street or Route	Telephone Number ( )
City, State, Zip Code	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

BCG 12619

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-3A

County: Brown

___ 1/4 of ___ 1/4 of Sec. ____ ; T. ____ N; R. ____ ☐ E ☐ W

(If applicable) ____ Gov't Lot ____ Grid Number

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name:

Street Address of Well: 300 Packerland Dr

City, Village: Green Bay WI

(2) FACILITY NAME

Original Well Owner (If Known): U.S. Postal Service

Present Well Owner: U.S. Postal Service

Street or Route: 200 Packerland Dr

City, State, Zip Code: Green Bay, WI

Facility Well No. and/or Name (If Applicable): B-3A

WI Unique Well No.:

Reason For Abandonment: Test boring

Date of Abandonment: 12-15-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 12-15-93

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 11.5 (From groundsurface)

Casing Diameter (ins.) N/A

Casing Depth (ft.) N/A

Was Well Annular Space Grouted? ☒ Yes ☐ No ☐ Unknown

If Yes, To What Depth? 11.5 Feet

(4) Depth to Water (Feet) 5.10

Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable

Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable

Screen Removed? ☐ Yes ☐ No ☒ Not Applicable

Casing Left in Place? ☐ Yes ☐ No

If No, Explain N/A

Was Casing Cut Off Below Surface? ☐ Yes ☒ No

Did Sealing Material Rise to Surface? ☒ Yes ☐ No

Did Material Settle After 24 Hours? ☐ Yes ☒ No

If Yes, Was Hole Retopped? ☐ Yes ☒ No

(5) Required Method of Placing Sealing Material

☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	11.5'	1 1/4	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: STS Consultants Ltd

Signature of Person Doing Work: Paul Lemm

Date Signed: 12-15-93

Street or Route: 1035 Kepler

Telephone Number: (414) 468 1978

City, State, Zip Code: Green Bay, WI

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected

District/County

Reviewer/Inspector

Follow-up Necessary

DNR/C NT

BCG 12619

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 8-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Brown

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 300 Packerland Dr

City, Village: Green Bay, WI

(2) FACILITY NAME

Original Well Owner (If Known): U.S. Postal Service

Present Well Owner: U S Postal Service

Street or Route: 300 Packerland Dr

City, State, Zip Code: Green Bay WI

Facility Well No. and/or Name (If Applicable): B-4

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Test boring

Date of Abandonment: 12-15-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 12-15-93

☒ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 11.5 (From groundsurface) Casing Diameter (ins.) N/A

Casing Depth (ft.) N/A

Was Well Annular Space Grouted? ☒ Yes ☐ No ☐ Unknown
If Yes, To What Depth? 11.5 Feet

(4) Depth to Water (Feet) 9.8

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	

If No, Explain N/A

Was Casing Cut Off Below Surface?	☐ Yes	☒ No
Did Sealing Material Rise to Surface?	☒ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☒ No
If Yes, Was Hole Retopped?	☐ Yes	☒ No

(5) Required Method of Placing Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	Mix Ratio or Mud Weight
3/8" bentonite chips	Surface	11.5	14	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
GAM Rycenc

Signature of Person Doing Work: Dany Rycenc — Date Signed

Street or Route — Telephone Number ( )

City, State, Zip Code

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected — District/County

Reviewer/Inspector

Follow-up Necessary

BCG 12619

DNR/COUNTY

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer, Secretary
William R. Selbig, District Director

State of Wisconsin\ DEPARTMENT OF NATURAL RESOURCES

Lake Michigan District Headquarters
Solid & Hazardous Waste Program
1125 N. Military Avenue, PO Box 10448
Green Bay, WI 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

April 13, 1994

Mr. James Carlet
U.S. Postal Service
6800 W. 64th Street Suite 100
Overland Park, KS 60202-4171

Subject: Acknowledgement of Receipt / Notice to Proceed

Type of Submittal: Work Plan-December 6, 1993

Site Name & Address: U.S. Postal Service Maintenance Facility-Gasoline Tank
300 Packerland Drive, Green Bay

WDNR LUST ID #: 05-1624

Dear Mr. Carlet:

We have received the above-referenced submittal from STS Consultants. However, staffing and workload levels do not allow us to provide you with review and oversight at this time.

Therefore, this letter serves as your **"Notice to Proceed"** with investigation and remediation of the site. All actions must comply with all applicable statutes, program guidance, standards and Administrative Rules. This letter is not an approval of your work plans and reports. They will be filed as public records until the Department is able to review them, or until site remediation is completed.

In order to assist you and your consultant in understanding what is required by the Department, I have attached a "Site Investigation Checklist" for your reference; this checklist was prepared by the Department as a summary of what needs to be done, the rules that need to be followed, and the standards which need to be met for complete assessment of a LUST site. Your consultant should also follow the Department's "Guidance for Conducting Environmental Response Actions." Groundwater and soil samples should be analyzed according to the parameters in the LUST Analytical Guidance publication. It is very important that your consultant understand and meet the minimum standards established by the Department; however, you, as the responsible party, are ultimately responsible for the investigation and remediation that is required at your site, according to Wisconsin Statute 144.76. Failure to follow guidance may result in delays when the project is reviewed for closure or reimbursement from PECFA.

Any well construction variances or WPDES permits shall be obtained well **prior** to construction, disposal or discharge.

PECFA progress payment requests, along with necessary reports or closure documents, can still be submitted to the District for review. We will forward non-project-managed site case files to the central office in Madison for review, comment and sign-off. The central office prioritizes these sites on a statewide basis according to environmental risk, and responds accordingly.

Effective this date, on a quarterly basis, you or your consultant should provide the Department with a brief status report of one or two pages, providing an update on site activities and your proposed schedule. Immediately notify the WDNR project manager of any emergency actions and note them in a report. As workload and staff levels are adjusted, the status of this case may be changed and we may be able to review your consultant's work for completeness and acceptability. You will be informed, in writing, if the site status is changed.

ALL CORRESPONDENCE AND REPORTS SHOULD BE SENT TO THE DEPARTMENT AT THE FOLLOWING ADDRESS. PLEASE IDENTIFY ALL SUBMITTALS WITH THE WDNR LUST ID NUMBER. UNLESS OTHERWISE REQUESTED, PLEASE SEND ONLY ONE COPY OF ALL SUBMITTALS.

Wisconsin Department of Natural Resources
ATTN: Alan Nass
1125 N. Military Avenue, PO Box 10448
Green Bay, WI 54307-0448
Phone: 414-492-5861

The Department will review your case when the full extent of contamination has been determined and appropriate cleanup has occurred. If you have any questions concerning this letter, please do not hesitate to contact me at (414)492-5942.

Sincerely,

Ashley A. Kimbell

Ashley Kimbell, Program Assistant
Leaking Underground Storage Tank Unit

Enc: Site Investigation Checklist

cc: Paul Killian, STS Consultants, 1035 Kepler Drive, Green Bay, WI 54311
Day File

U.S. Postal Service

Work Plan for United States Postal Service Vehicle Maintenance Facility

300 Packerland Drive
Green Bay, Wisconsin

December 6, 1993

Mr. Alan Nass
Wisconsin Department of Natural Resources
1125 North Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448

Re: Work Plan for Subsurface Assessment in the Vicinity of the Former Gasoline Underground Storage Tank at the United States Postal Service Vehicle Maintenance Facility, 300 Packerland Drive, Green Bay, Wisconsin -- STS Project No. 20499XF -- WDNR LUST ID #05-01624

Dear Mr. Nass:

On behalf of the U.S. Postal Service, STS Consultants, Ltd., (STS) is submitting a copy of the Work Plan and Groundwater Sampling and Analysis Plan for a subsurface assessment at the United States Postal Service Vehicle Maintenance Facility, Green Bay, Wisconsin. This work plan is being submitted as required by the WDNR correspondence dated October 28, 1993. If you have any questions or comments regarding this work plan, please contact us. We anticipate mobilizing to complete the subsurface exploration the week of December 20, 1993.

Sincerely,

STS CONSULTANTS LTD.

Patrick J. McCarey
Field Operations Coordinator

Paul J. Killian, P.E.
Associate

PJM/llk

STS Consultants Ltd.
Consulting Engineers

1035 Kepler Drive
Green Bay, Wisconsin 54311
414.468.1978/Fax 414.468.3312

Copy to:

Mr. James Carlet
U.S. Postal Service
Facility Service Office
6800 West 64th Street
Suite 100
Overland Park, Kansas 66202-4171

Report

PROJECT

WORK PLAN FOR SUBSURFACE ASSESSMENT UNITED STATES POSTAL SERVICE VEHICLE MAINTENANCE FACILITY 300 PACKERLAND DRIVE GREEN BAY, WISCONSIN

CLIENT

U.S. POSTAL SERVICE
6800 WEST 64TH STREET
OVERLAND PARK, KANSAS 66202-4171

Project No. 20499XF

Date DECEMBER 1993

STS Consultants Ltd.
Consulting Engineers
1035 Kepler Drive
Green Bay, Wisconsin 54311
414.468.1978/Fax 414.468.3312

TABLE OF CONTENTS

1.0 BACKGROUND

This work plan presents a scope of work for environmental services to be conducted by STS at the U.S. Postal Service Vehicle Maintenance Facility, 300 Packerland Drive, Green Bay, Wisconsin.

A 12,000-gallon, fiberglass underground storage tank (UST) owned and operated by the U.S. Postal Service Vehicle Maintenance Facility, Green Bay, Wisconsin, was in the process of being retrofitted to comply with new tank standards by modifying the dispensing line and dispensing island. STS was retained by the U.S. Postal Service to perform sampling, analysis, and field observations to document subsurface conditions encountered during tank retrofitting.

The UST is used for unleaded gasoline storage and has a suction type of pumping dispensing system. Prior to STS' arrival, the UST dispensing line and dispensing island were drained and removed. On October 20, 1993, STS collected samples under the dispensing island, along the dispensing line, and at the union of the dispensing line that leads into the UST. Based on conditions observed in the field, a petroleum release appears to have occurred on site. The Wisconsin Department of Natural Resources (WDNR) was notified that a suspected release had occurred.

any samples taken other than field screenings?

Petroleum-impacted soil was excavated underneath the dispensing island until there was no field evidence of petroleum hydrocarbons. However, petroleum-impacted soil was still apparent around the backfill soil of the UST.

obvious c'n?

2.0 SCOPE OF WORK

2.1 Soil Borings

STS proposes to mobilize a truck-mounted drill rig to advance two (2) soil borings around the gasoline UST at the Packerland Avenue Postal Facility. The borings will be advanced using 4-inch diameter solid-stem augers or 4.25-inch inside diameter hollow-stem augers. Soil samples will be collected at 2.5-foot intervals to a depth of approximately 15 feet below the ground surface or until the apparent water table has been reached.

Soil samples will be collected using a split-spoon sampling device in substantial accordance with ASTM D 1586, "Procedures for Standard Penetration and Split-Barrel Sampling of Soils." Representative portions of the soil samples will be transferred to new quart-sized glass jars and a 4-ounce glass jar with Teflon septa. The quart jar sample will be used for field screening for volatile organic compounds (VOCs). Field screening will be accomplished using a portable photoionization detector (PID). The PID is a portable trace gas analyzer that provides a qualitative indication of VOCs in the soil headspace. The 4-ounce samples will be placed in an ice-filled cooler for possible submission to a state certified analytical laboratory for chemical testing. Based on results of field screening, selected soil samples will be submitted for laboratory analysis of gasoline range organics (GRO). At least one soil sample from each boring will be submitted for chemical analysis.

Soils will be preliminary classified in the field by a member of the drill crew then returned to the STS soils laboratory for further classification. The soils will be classified to determine the major and minor soil components, degree of saturation, presence of any conspicuous lenses and seams, and to infer the geologic origin of the material. Soils will be classified according to the Unified Soil Classification System (USCS). Soil boring logs will be prepared for submission to the WDNR.

2.2 Groundwater Monitoring Well

A 2-inch diameter Schedule 40 PVC monitoring well will be installed in one soil boring. The monitoring well will be installed in general accordance with Chapter NR 141, (NR 141) Wisconsin Administrative Code. The monitoring well will be constructed with a 10-foot well screen, with either .010 or .006 inch factory slots, intersecting the apparent water table observed at the time of drilling. The annulus around the well screen will be backfilled 1 foot above the well screen with clean silica sand filter pack. One foot of sand will be installed above the filter pack and the remaining annulus will be backfilled with bentonite pellets, allowing room for a ground surface seal. A flush mount protector pipe with lock will be installed at the surface of the well. After installation, the monitoring well will be developed by the drill crew in substantial accordance with NR 141. The relative horizontal and vertical location of the monitoring well will be surveyed by the drill crew. A soil boring log, monitoring well construction form and well development form will be completed for the monitoring well.

Soil borings not converted into monitoring wells will be abandoned in accordance with NR 141. Borehole abandonment forms will be completed for each boring. Soil cuttings showing field evidence of being impacted and development water will be contained in 55-gallon drums and left on site for later treatment or disposal.

2.3 Groundwater Sampling

STS will collect a groundwater sample from the monitoring well and analyze the sample for volatile organic compounds (VOCs) using EPA Method 8021. The groundwater sample will be collected a minimum of ten days after well installation. A groundwater sample will be collected, properly preserved, and submitted to a state certified analytical laboratory for analysis. At this

time, we anticipate sending the samples to Hazleton Environmental Services, Inc., Madison, Wisconsin. Sampling procedures are discussed in the following groundwater sampling procedures.

Report

After the field work is completed, a subsurface assessment report will be prepared which will describe procedures and results of field and laboratory work. The boring logs, monitoring well construction and development form, borehole abandonment forms, chemical laboratory results, and a site map will be included. Based on results of the field and laboratory work, we will provide recommendations for additional action or site closure.

3.0 GROUNDWATER SAMPLING PROCEDURES

The wells should be sampled from upgradient to downgradient unless groundwater is known to be contaminated. If contamination is known to be present, the wells should be sampled from least to most contaminated.

3.1 General Sample Collection Procedures

1) Prior to leaving STS, gather all necessary equipment. Make sure all the equipment is clean (including a detergent washing of bailers, probes, etc.) and in proper working order. If you have any questions concerning the water sampling instructions, discuss them with the project manager.

2) Meet client or site contact.

3) Go to first (next) well in sampling order and record field observations concerning well condition.

4) Place a plastic tarp on the ground around the bottom of the well, or use some other means to prevent water level tape, bailer rope, etc., from touching the ground.

5) Prior to sample collection, evaluate the area around the sampling point for possible air contamination by VOCs; for example, a loosely sealed gasoline can or solvent drum, automobile or factory exhaust, etc. and if possible, improve the situation. Otherwise, describe the potential problem. Never leave a truck running near the wells to be purged or sampled. Also, take care not to contaminate the rinse water by truck exhaust or other surfaces in the back of the truck.

6) Rinse water level measurement device. Rinse water should come from a known and documented source.

7) Measure water level and depth of well from top of PVC and record to the nearest hundredth of a foot. Check field notes from last sampling round and re-measure if a significant change has occurred.

8) Rinse water level measurement device and purging device.

9) Purge well with designated purging device.

10) Rinse purging device three times.

11) Rinse sampling device.

12) Sample with designated sampling device or let well recharge for specified amount of time and then sample. Samples should be collected from most to least volatile (VOCs, semi-volatiles, metals, inorganics).

13) Rinse sampling device three times.

14) Measure field pH, conductivity and temperature of samples placed in a separate container. Also note color, odor and turbidity of sample. Check field notes from last sampling round and re-test any wells in which a significant change has occurred.

15) Field filter and preserve samples as needed.

16) Fill out labels at well head and attach to sample containers.

17) Put samples in cooler as collected.

18) Replace cap and lock well after sampling has been completed.

19) Repeat steps for each well until all the wells have been sampled. Collect sample blanks as required.

20) Deliver samples with chain of custody to the laboratory on the same day sampling is done. If this is not possible, store samples as close to $4^{o}C$ as possible and deliver the next day. If possible, avoid shipping samples. Never leave samples outside unattended.

3.2 Specific Sampling Protocol

Static Water Level

This section outlines the procedures to be used to measure the static water level using the Solinst electronic water level tape or equivalent.

1) Unlock the well and open the protector pipe lid.

2) Document obvious odors emanating from the well.

3) Lower the water level probe into the well until the bulb lights and/or the alarm sounds, indicating that the depth of the water level has been reached.

4) Read the length of cable from the top of the casing and report to the nearest hundredth of a foot in the field book.

5) Using the water level probe, measure the depth of the well by lowering the probe to the bottom of the well. Report to the nearest hundredth of a foot in the field book.

6) Calculate the thickness of the water column by subtracting the water level measurement from the depth of the well.

7) Upon completion of the measurements, rinse the probe three times to minimize cross-contamination by downhole equipment between monitoring locations.

Immiscible Layer Detection

Upon direction of the project manager, the following procedures will be performed to detect the presence of immiscible layers (undissolved floating or sinking free product):

1) Spread and anchor a plastic sheet or tarp around the well, or use some other means to prevent equipment from contacting the ground.

2) Slowly lower a clear plastic (acrylic) bailer into the observation well until approximately half of the bailer has entered the liquid. Gradually retrieve the bailer from the well.

3) Measure the apparent product thickness visible within the bailer and record in a field book.

4) To identify the presence of a dense-phase immiscible layer, slowly lower a bailer equipped with a double check valve to the well bottom. Again, gradually retrieve the bailer from the well, measure any dense phase product and record in the field book.

5) Rinse the bailer three times if no odors, sheen or free product are observed.

6) If odors, sheen or free product are observed, wash the bailer with Alconox or other suitable detergent and rinse three times. If conditions persist, properly dispose of the bailer.

Well Purging

This section outlines procedures to be performed during monitoring well purging. See the project manager for purge water handling requirements. If an odor, sheen or free product is encountered, dispose of the bailer after purging is completed unless specified by the project manager.

1) Wrap a plastic sheet or tarp around the base of the protector pipe and anchor it at the edges, or use some other means to prevent equipment from contacting the ground.

2) Calculate one well volume as specified by the project manager.

3) Rinse the purging device and cord three times.

4) Remove the water from the well by bailing or pumping. If a bailer is used, gently lower it in and retrieve it from the well to minimize the introduction of air and turbulence into the water column that might chemically alter the groundwater prior to sampling. If a pump is used, submerge the intake and pump from the upper portion of the water column.

5) If it is possible to bail or pump a well dry, do so. Wait a sufficient period of time for the well to recharge in order to remove one well volume.

6) For all other wells, remove three well volumes unless specified by the project manager.

7) After purging, the bailer will be rinsed three times.

8) Record the volume of water purged from the well in the field notebook.

Groundwater Sample Collection

The procedures outlined below will be followed to collect groundwater samples for analyses.

General Collection Procedures

1) Slowly lower the designated sampling device to the groundwater.

2) Withdraw the sample from within or slightly above the screened section of the well.

3) If using a bailer, lower the bailer to the same depth of the well for each sample.

4) For in-field measurements, slowly pour a portion of the sample into a sample container.

5) Collect the samples from most to least volatile (VOCs, semi-volatiles, metals, inorganics).

Sample Collection Procedure for Volatile Organics in Water

The procedure outlined below will be followed to collect samples for VOC analyses.

1) After the well has been purged and a desired recharge has occurred, use a designated bailer with a bottom discharge device or other designated sampling device to collect a groundwater sample.

2) As quickly as possible after sample collection, fill a 40-milliliter glass vial. Allow the water to gently stream out into the vial, minimizing turbulence and air/water contact. The water will be allowed to produce a positive meniscus at the brim of the vial.

3) The vial will be covered immediately with a Teflon coated septum and cap. The vial will be inverted, tapped gently and observed for air bubbles. If air bubbles are noted, repeat Step 2 with a new vial. Again the vial will be inverted, tapped and observed for air bubbles.

4) Collect a minimum of three sample vials at each sampling location.

5) After the samples are collected, labels will be completed and attached to the vials.

6) The samples will be placed in a cooler and stored as close to 4°C as possible.

7) On the day of sampling, deliver the samples under chain-of-custody control to the specified analytical laboratory for chemical analysis. If same day delivery is not possible, keep the samples as close to 4°C as possible and deliver the next working day.

Sample Collection Procedure for Semi-Volatile and Inorganic Compounds in Water

1) Determine the proper container for the compounds to be analyzed.

2) Gently pour the sample from the sampling device directly into the sample container. Do not allow sample to overflow. Replace the cap and seal tightly.

3) After the sample is collected, complete the label and attach to the container.

4) The samples will be placed in a cooler and stored as close to $4^{o}C$ as possible.

5) On the day of sampling, deliver the samples under chain-of-custody control to the specified analytical laboratory for chemical analysis. If same day delivery is not possible, keep the samples as close to $4^{o}C$ as possible and deliver the next working day.

Field Filtering

Two procedures are outlined in this section for the filtration of water sampling in the field. Only one of these procedures will be used.

Procedure I

1) The filtering apparatus will consist of a peristaltic pump and a filter mount. The filters shall consist of a Whatman 9.0 centimeter, 1.5 micron glass microfiber filter over a Whatman 142 millimeter, 0.45 micron cellulose nitrate filter. Equivalent filters or filtering apparatus may be used with prior approval.

2) Place the 0.45 micron membrane filter on the filter mount. If turbidity of the sample necessitates it, a 1.5 micron pre-filter may also be used.

3) Flush a minimum of 500 milliliters of distilled water through the filtering apparatus before sample filtration.

4) After flushing with distilled water, pump approximately 150 milliliters of sample through the filter and discard.

5) Next, collect the proper sample volume required by the analytical laboratory.

6) After the sample is collected, remove and discard the pre-filter (if used) and filter membrane. Filter paper will not be reused to filter another sample.

7) Flush the filtering apparatus with 500 milliliters of distilled water and reassemble.

8) Repeat steps 2 through 6 for each well location.

Procedure II

1) The filtering apparatus will consist of a peristaltic pump and a disposable filter cartridge. The filter cartridge shall consist of a Geotech high capacity filter, with a capacity of 700 cm^2 using a 0.45 micron cellulose nitrate filter.

2) Load the peristaltic pump with new Tygon tubing.

3) Flush a minimum of 500 milliliters of distilled water through the tubing before sample filtration.

4) Connect filter to tubing, flush the filter with approximately 150 milliliters of sample water and discard the water.

5) Collect the proper sample volume required by the laboratory.

6) After the sample is collected, remove and dispose of the filter cartridge.

7) Repeat steps 3 through 6 for each well location.

In-Field Measurements

The temperature and conductivity of collected water samples will be measured using a YSI Model 33 conductivity meter or approved equivalent. The pH of the water will also be monitored using a Cole Palmer pH meter or approved equivalent. Record all measurements in field book.

Temperature & Conductivity

1) Calibrate the equipment in accordance with the recommendations of the manufacturer.

2) Rinse the probe with distilled water.

3) Immerse the probe in a freshly collected sample and measure the temperature.

4) Allow the temperature to equilibrate for not more than two minutes.

5) Read and record the temperature to the nearest 1 degree Celsius.

6) With the probe remaining in the water sample, switch the meter to the conductivity mode by adjusting the dial setting.

7) Read and record the conductivity to the nearest 1 umho per centimeter.

8) Upon completion of the measurements, rinse the probe with distilled water.

pH Measurement

1) Perform a two point calibration using buffers of 4 and 10 pH units. The temperature of the buffers and the actual samples should be within $5^{o}C$.

2) Rinse the electrodes thoroughly with distilled water.

3) Next, immerse the pH probe in the sample.

4) Allow the reading to stabilize (the stabilization time should not exceed 2-3 minutes).

5) After the reading is completed, remove the electrode from the sample and rinse with distilled water. Record the reading in the field book.

6) Store the electrode in the buffer solution between sample measurements.

7) Recalibrate the meter between every well location that requires the meter to be transported by truck or shut off.

Color, Odor, Turbidity

The collected samples will be qualitatively observed for color, odor, and turbidity. The following observations will be recorded in a field book:

1) The water color after filtration and observed against a white background.

2) Any distinct odor emitted from sample jar. Samples will not be smelled directly when dealing with potentially hazardous or unknown substances.

3) In describing the turbidity, note if the sample appears clear, slight, turbid or opaque.

3.3 Water Sampling Quality Control Samples

1. Trip Blank

A trip blank is a water sample from the analytical laboratory which accompanies the sample vials to the field and back to the laboratory. It should not be opened nor removed from the cooler. The purpose of the trip blank is to determine if any of the sample vials or collected samples have been contaminated with VOCs before or during sampling or shipping. A trip blank should be included in each cooler containing samples.

2. Rinse Water Blank

A rinse water blank is a sample of the rinse water which is used to clean the purging and sampling equipment between wells. Collection and analysis of rinse water blanks will provide information concerning the chemical makeup of the rinse water. Routinely, rinse water blanks are collected after sampling the last well. On a project specific basis, other appropriate times for rinse water blank collection could include prior to sampling and midway through sampling.

3. Decontamination Blank

A decontamination blank is a sample of rinse water which is processed through the sampling equipment in the same manner as the actual groundwater samples. The purpose of these blanks is to determine if field cleaning procedures are adequate. If a decontamination blank is to be analyzed, then a rinse water blank also should be analyzed for background purposes.

4. Field Duplicate

A field duplicate is a sample taken to determine analytical variability at a laboratory. Collect the original sample and the duplicate using split sampling techniques and label the duplicate as "Duplicate A" or some other designation, so that the sampling point is unknown to the laboratory. Make a note of this special designation in the field notebook. The same laboratory should be used to analyze all original and duplicate samples.

5. Field Spike

A field spike is a sample spike with a known quantity of contaminants. These samples should be purchased from a different laboratory than the one being utilized for sample analyses. Field spikes are utilized to evaluate the analytical accuracy of a laboratory.

6. Split Sample

A split sample is a sample taken to determine the analytical variability between two or more laboratories. In most cases, samples are split between facility owners and regulatory agencies. In the case of VOCs, it is best to sample the well and fill all vials from the same bailer of water. In the case of inorganics, it is best to sample the well, filter and preserve the sample as required, then split it into two portions.

7. Sequential Samples

Sequential samples help determine sampling variability. One type of sequential sampling involves collecting samples from the same well with different sampling equipment. Another type of sequential sampling consists of collection samples from the same well at different times on the sampling day. For example, the water sampling technician might sample the well before purging, immediately after purging and 24 hours after purging.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer
Secretary

Lake Michigan District Headquarters
Solid & Hazardous Waste Program
1125 N. Military Avenue, PO Box 10448
Green Bay, WI 54307-0448
TELEPHONE: (414)492-5916
TELEFAX: (414)492-5859

October 28, 1993

U. S. Postal Service
Attn: James T. Carlet
6800 W. 64th Street, Suite 100
Overland Park, KS 60202-4171

SUBJECT: Notification of Petroleum Contamination from Underground Storage Tank System
U. S. Postal Service - Vehicle Maintenance Facility, 300 Packerland Drive,
Green Bay, WI
WDNR LUST ID #05-01624

Dear Mr. Carlet:

On October 25, 1993, Patrick McCarey of STS Consultants notified the Wisconsin Department of Natural Resources (WDNR) that petroleum contamination was discovered at the above referenced location. The purpose of this letter is to inform you of your legal responsibilities to address this situation.

Releases from underground storage tanks regulated under Subtitle I of the Resource Conservation and Recovery Act require compliance with the provisions of 40 CFR, Parts 280 and 281. The Environmental Protection Agency (EPA) has the authority to take enforcement action at any time, but will generally not take actions against parties cooperating with the state. The WDNR proceeds in LUST cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substance" as found in s. 144.01(4m), Stats., includes petroleum products.

> Wisconsin Statute 144.76(2a) states: "A person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempt under sub. (9)."
>
> Wisconsin Statute 144.76(3) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state."

Because you possess or control a hazardous substance that has been released to the environment, the Department identifies you as the party responsible for taking the actions necessary to restore the environment. The conditions present at this site pose a potential threat to human health and/or the environment. You are required to immediately identify any risks or explosive vapors and/or well contamination. You are required to conduct an investigation to determine the extent of contamination, the potential for groundwater impacts, and the remedial action(s) necessary to clean up contaminated soil and groundwater. You must dispose of or treat all products, soils, wastewater, or sludges in compliance

with all applicable federal, state, and local laws and regulations. All groundwater remediation projects which discharge to surface or groundwater (including all discharges to storm sewers) must be covered by a WPDES Discharge Permit. The only discharges not requiring a permit are those to a sanitary sewer; however, in those cases, the treatment facility receiving the discharge and the owner of the sewer system must be contacted for approval. An application must be submitted as early as possible to allow time for needed monitoring or additional data collection prior to discharge. The permit will contain discharge limits for pollutants of concern, along with sampling frequency and test methods.

Before any contaminated soil can be treated or disposed, an "Application to Treat or Dispose of Petroleum Contaminated Soil" must be completed and approved by the DNR's Air Management staff. Until the contaminated soils can be treated or disposed of, they should be stored on an impermeable surface, bermed to prevent runoff and runon, and covered with an impermeable cover material such as plastic.

By December 5, 1993, you must hire an environmental consultant and have them submit written verification to this Department that they have been hired to investigate the extent of the contamination problem and oversee remediation at this site. By January 5, 1994, your consultant must submit a site investigation workplan.

Due to current workload and staffing levels, a WDNR project manager has not been assigned to this case; however, investigation and remediation must not be delayed pending WDNR review or approval of workplans. Correspondence and reports should be sent to the Department at the following address:

Wisconsin Department of Natural Resources
Attn: Alan Nass
1125 N. Military Avenue, PO Box 10448
Green Bay, WI 54307-0448
Phone: 414-492-5861

All correspondence and reports submitted by you or your consultant should be identified with the assigned WDNR LUST ID number. Unless otherwise requested, please send only one copy of all submittals. Please share this information with the consultant that you hire.

You are encouraged to contact the Department of Industry, Labor & Human Relations (DILHR), the state agency that administers the Petroleum Environmental Cleanup Fund (PECFA). This fund may reimburse you for eligible costs associated with the remedial investigation and cleanup. Linda Baldridge of DILHR should be contacted at (608) 266-2424 to obtain current information regarding the PECFA program.

Your cooperation in this matter will be appreciated. Failure to comply with these requirements could subject you to further enforcement action.

Sincerely,

Janis DeBrock

Janis M. DeBrock, Program Assistant
Leaking Underground Storage Tank Unit

Enc: Consultant List; Information about PECFA

cc: Patrick McCarey, STS Consultants, 1035 Kepler Drive, Green Bay, WI 54311

For soil removed during tank removal 10/19/93

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL ASPHALT PLANT OR OTHER TYPE OF THERMAL TREATMENT UNIT

Form 4400-149

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed of in compliance with NR 500-538, NR 150, and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules may lead to violations of subchapters III and IV of ch. 144 Wis. Stats. and may result in forfeitures of not less than $10 or more than $25,000 for each violation, pursuant to ss. 144.426(1), 144.74 (1), and 144.99, Wis. Stats., or fines of not less than $100 or more than $250,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74 (2), Wis. Stats. Each day of a continuing violation constitutes a separate violation. Department approval of this form is required prior to all remediation, except for soils to be buried in landfills.

DIRECTIONS: 1) Complete parts I and II. 2) Submit the application to the DNR project manager for approval. 3) Have the treatment facility complete part III of the approved form after the soil has been treated. 4) Return the ORIGINAL form to the DNR project manager. 5) Keep a copy for your files.

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: U.S. Postal Service, Vehicle Maintenance

Site I.D. # (for DNR use only):

Site Address: 300 Packerland Dr.

Contact Name: Joe Stoll

City, State, Zip Code: Green Bay WI 54307

1/4, 1/4, Section, Township, and Range:

The information on this form is accurate to the best of my knowledge.

Signature of Soil Generator: Joe Stoll *

Telephone Number (include area code): 414-498-3921

Consulting Firm: JAVCO Inc. Contact: Nancy Schroeder Telephone Number: 414-337-1244

Estimated Volume Contaminated Soil: 12 (Tons/cubic yards (circle one))

Soil Type (USCS):
- ___ sand (SP, SW)
- ___ silty/clayey sands (SM, SC)
- ___ silt (ML, MH, OL)
- ___ clay (CL, CH, OH)
- X gravel (GC, GM, GP, GW)
- ___ peat (PT)

Type of Petroleum Contamination (Circle):

Gasoline Diesel Fuel #2 Fuel Oil

Other _____

Distance to Nearest Residence/Business _____

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument *registers contamination* OR one laboratory analysis for each 100 yds³ when the field instrument *does not register contamination* soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 0 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 38.4 lbs

Total TPH as DRO

ATTACH EMISSIONS CALCULATIONS

(a/1,000,000) x (2,800 lbs/yd³) x b = benzene emission in lbs., where a = benzene concentration of soil sample in ppm or mg/kg dry weight basis, and b = amount of contaminated soil in yds³. NOTE: This calculation can also be used to estimate TPH emissions by substituting TPH concentration (ppm or mg/kg) for "a". It may also be used to calculate VOCs.

Part II: Proposed Treatment Facility

Name of Plant Northeast Asphalt — Plant number and Model Control 6501 Green Bay CMEPDM 401

Contact Mark Wolf — DNR Facility I.D. No. 999d2520

Address 1524 Atkinson Dr, Green Bay — Distance to Nearest Residence/Business ± 1,000'
(or location of portable plant)

LEAVE BLANK - DEPARTMENT OF NATURAL RESOURCES USE ONLY

Application Concurrence

Air Management Eileen Shagoslan — Date 11-4-93

Project Manager _____ — Date _____

Comments:

THIS SECTION TO BE COMPLETED BY THE ASPHALT/THERMAL UNIT PROCESSING THE CONTAMINATED SOIL
AFTER PROCESSING IS COMPLETED

Part III

WDNR Air Pollution Control Permit Number 89-CVC401 — Actual Volume of Soil Treated (tons/cubic yards) 1.2 ton

Date of transport to plant 11-18-93 — Date of treatment 12-15-93

Transporter Name JAVCO Inc. — Transporter License Number #16037

Circle One: (Roasted and Incorporated) Roasted Only

Total Benzene emissions in pounds for this batch (apply 50% destruction factor if no after burner is used) 0 lbs

Benzene emissions to date for this plant (including this batch) for this calendar year 1.07 lbs

Signature of Treatment plant representative [signature] — Telephone Number at Plant 494-0543

POST BURN SAMPLE RESULTS: COMPLETE ONLY FOR SOILS NOT INCORPORATED!

(One representative sample for each 100 cubic yards-not composites)

Sample Number _____ _____ _____ _____

TPH _____ _____ _____ _____

DNR APPROVAL IS REQUIRED BEFORE USING AS COMMON FILL

Date of backfilling or use as common fill _____ Location of fill site ____ 1/4 ____ 1/4 ____ S ____ T ____ R

Department of Natural Resources

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146 Rev. 2-93

Un/NS

UID Number: 1624 **FID Number:** **PMN Number:**

County: 05
Site Name: U.S. Postal Service - Vehicle
Address: Maintenance Facility
300 Packerland Drive
Municipality: Green Bay
Legal Descript.: ___ 1/4 ___ 1/4 sec. ___ T ___ N R ___ (E/W)
Lat.: ___ Long.: ___

Initial Contact Date: 10/25/93
Date RPLetter Sent: 10/28/93
Date Closure Approved: 4/19/95

Person/Firm Reporting: Patrick McCarey, STS
Phone Number: (414) 468-1978

Priority Screening
___ 1 = High
___ 2 = Medium
___ 3 = Low
✓ 4 = Unknown

Scoring Criteria
1. ___
2. ___
3. ___
4. ___
5. ___

Score: ___ Init.: ___ Date: ___/___/___

Funding Source
✓ 1 = RP
___ 2 = LTF
___ 3 = EF
___ 4 = Other

Effective Date
___/___/___
___/___/___
___/___/___
___/___/___

LUST Trust Eligible
✓ 1 = Federal
___ 2 = Non-Federal

Case Status

	Start Date	End Date
___ (F) Free Product Removal	___/___/___	___/___/___
___ (E) RP Emergency Response	___/___/___	___/___/___
___ (R) LTF Emergency Response	___/___/___	___/___/___
___ (L) Long Term Monitoring	___/___/___	___/___/___

Responsible Party
Contact Person: James T. Carlet
Company Name: U.S. Postal Service
Address: 6800 W. 64th St, Ste. 100
Overland Park, KS
Phone Number: (913) 831-1855 60202-4171
Ext. 445

CC's: ___

Impacts
Enter "P" for potential and "K" for known
___ (1) Fire/Explosion Threat
___ (2) Contaminated Private Well(s) ___ # of Wells
___ (3) Contaminated Public Well
P (4) Groundwater Contamination
K (5) Soil Contamination Silty sand
___ (6) Other: ___
___ (7) Surface Water Impacts
___ (9) Floating Product

Consultant
Contact Name: Paul Rindone/Pat McCarey
Company Name:: STS
Address: 1035 Hesler Dr
Green Bay, WI 54311
Telephone: (414) 468-1978

Substances	# Tank(s)	Size
___ (1) Leaded Gas		
✓ (2) Unleaded Gas		
___ (3) Diesel		
___ (4) Fuel Oil		
___ (5) Unkwn Hydrocrbn		
___ (8) Other		
___ (12) Waste Oil		

REMARKS:

10/23/93: In process of upgrading tank; discovered C'V at union of tank + dispensing line.

LMD LUST Tracking

UID# 05-01624 SITE NAME U.S. Postal Service PROJECT MGR UAN/AJS

ACTION CODES

02 = RP Letter Sent +
03 = Notice of Noncompliance *
04 = Enforcement Conference *
14 = Notice of Violation *
18 = Admin. Order Issued *
19 = Admin. Order Modified
20 = Admin. Order Cancelled
21 = Contest Case Hearing *
23 = Referral to DOJ *
30 = Notice to Proceed *
31 = Tnk Cls/SA Workplan Rec'd
32 = Tnk Cls/SA Workplan Appvd
33 = Tank Cls/SA Report Rec'd
34 = Tank Cls/SA Report Appvd
35 = SI Workplan Rec'd +
36 = SI Workplan Appvd *
37 = SI Report Rec'd *
38 = SI Report Appvd
39 = RA Workplan Rec'd
40 = RA Workplan Appvd *
41 = RA Report Rec'd *
42 = RA Report Appvd
43 = Status Reports *
44 = Form 4 Received
45 = Form 4 Approved
46 = Form 4 Denied
47 = PECFA Reimbursement
48 = Free Product Recovery *
49 = Alternate Water Supplied *

60 = Consent Order +

NOTE: * = EPA Reporting Requirements
+ = LMD Tracking Requirements

ACTION UPDATES

Entered in Tracking	Code	Action Date (Received / Sent)	Compliance Due Date	Comment	Compliance Achieved
10/28/93	02	10/28/93	1/5/94		12/7/93
	35	12/7/93			
4/14/94	30	4/13/94			
	33	7/5/94			
	37	7/5/94			
	43	11/21/94		phone call from consultant, bids out for cntd soil excavation	
	43	1/5/95		stockpile removed, closure request submitted for closure (not ready)	
	—	1/9/95			
4/11/95	43	3/28/95		talked to consultant, preparing closure report	
4/17/95	43	4/10/95			
	—	4/17/95		submitted for closure	